

## ELISPOT KITS - 2005

### Cytokine ELISPOT / PVDF Procedure

The ELISPOT assay is based on immuno-enzyme technology originally developed for the enumeration of antibody-secreting cells and subsequently this assay was adapted to measure cytokine production at the single cell level. The ELISPOT assay is easy to perform and it requires, compared to the limiting dilution approach, a minimum *in-vitro* cell manipulation, allowing analysis as close as possible to the *in-vivo* situation. The principle of the method utilizing PVDF (polyvinylidene difluoride membrane) involves the following steps:

- a) Single cell suspensions are distributed in PVDF bottomed wells previously coated with an anti-cytokine antibody. These cells may upon stimulation with the proper antigen produce cytokine molecules in their close environment which are caught by the coated antibody.
- b) After cell removal, the captured cytokine is revealed by a secondary biotinylated anti-cytokine antibody, which is in turn
- c) detected by streptavidin conjugated to alkaline phosphatase.
- d) The enzymatic reaction produces a precipitate
- e) The cytokine produced by individual cells is visualised by sharp blue spots that can be counted on an inverted microscope, allowing the numeration of cytokine producing cells under a given stimuli. The total length of the assay depends mainly on incubation steps and requires a minimum handling time.

#### **Human ELISPOT KITS** (available with or without sterile PVDF plates)

856.131.005	Human Granzyme B ELISPOT, PVDF	5 x 96 tests	\$	500.00
856.131.010	Human Granzyme B ELISPOT, PVDF	10 x 96 tests	\$	800.00
856.131.015	Human Granzyme B ELISPOT, PVDF	15 x 96 tests	\$	1,050.00
856.131.020	Human Granzyme B ELISPOT, PVDF	20 x 96 tests	\$	1,340.00
856.131.005P	Human Granzyme B ELISPOT, PVDF, with plates	5 x 96 tests	\$	575.00
856.131.010P	Human Granzyme B ELISPOT, PVDF, with plates	10 x 96 tests	\$	950.00
856.131.015P	Human Granzyme B ELISPOT, PVDF, with plates	15 x 96 tests	\$	1,275.00
856.131.020P	Human Granzyme B ELISPOT, PVDF, with plates	20 x 96 tests	\$	1,640.00

856.051.005	Human IFN-gamma PVDF	5 x 96 tests	\$	495.00
856.051.010	Human IFN-gamma PVDF	10 x 96 tests	\$	650.00
856.051.015	Human IFN-gamma PVDF	15 x 96 tests	\$	795.00
856.051.020	Human IFN-gamma PVDF	20 x 96 tests	\$	950.00
856.051.005P	Human IFN-gamma PVDF, with plates	5 x 96 tests	\$	570.00
856.051.010P	Human IFN-gamma PVDF, with plates	10 x 96 tests	\$	800.00
856.051.015P	Human IFN-gamma PVDF, with plates	15 x 96 tests	\$	1,020.00
856.051.020P	Human IFN-gamma PVDF, with plates	20 x 96 tests	\$	1,250.00
856.101.005	Human IL-1 beta PVDF	5 x 96 tests	\$	495.00
856.101.010	Human IL-1 beta PVDF	10 x 96 tests	\$	650.00
856.101.015	Human IL-1 beta PVDF	15 x 96 tests	\$	795.00
856.101.020	Human IL-1 beta PVDF	20 x 96 tests	\$	950.00



856.101.005P	Human IL-1 beta PVDF, with plates	5 x 96 tests	\$ 570.00
856.101.010P	Human IL-1 beta PVDF, with plates	10 x 96 tests	\$ 800.00
856.101.015P	Human IL-1 beta PVDF, with plates	15 x 96 tests	\$ 1,020.00
856.101.020P	Human IL-1 beta PVDF, with plates	20 x 96 tests	\$ 1,250.00
856.001.005	Human IL-2 PVDF	5 x 96 tests	\$ 495.00
856.001.010	Human IL-2 PVDF	10 x 96 tests	\$ 650.00
856.001.015	Human IL-2 PVDF	15 x 96 tests	\$ 795.00
856.001.020	Human IL-2 PVDF	20 x 96 tests	\$ 950.00
856.001.005P	Human IL-2 PVDF, with plates	5 x 96 tests	\$ 570.00
856.001.010P	Human IL-2 PVDF, with plates	10 x 96 tests	\$ 800.00
856.001.015P	Human IL-2 PVDF, with plates	15 x 96 tests	\$ 1,020.00
856.001.020P	Human IL-2 PVDF, with plates	20 x 96 tests	\$ 1,250.00
856.011.005	Human IL-4 PVDF	5 x 96 tests	\$ 495.00
856.011.010	Human IL-4 PVDF	10 x 96 tests	\$ 650.00
856.011.015	Human IL-4 PVDF	15 x 96 tests	\$ 795.00
856.011.020	Human IL-4 PVDF	20 x 96 tests	\$ 950.00
856.011.005P	Human IL-4 PVDF, with plates	5 x 96 tests	\$ 570.00
856.011.010P	Human IL-4 PVDF, with plates	10 x 96 tests	\$ 800.00
856.011.015P	Human IL-4 PVDF, with plates	15 x 96 tests	\$ 1,020.00
856.011.020P	Human IL-4 PVDF, with plates	20 x 96 tests	\$ 1,250.00
856.111.005	Human IL-5 PVDF	5 x 96 tests	\$ 495.00
856.111.010	Human IL-5 PVDF	10 x 96 tests	\$ 650.00
856.111.015	Human IL-5 PVDF	15 x 96 tests	\$ 795.00
856.111.020	Human IL-5 PVDF	20 x 96 tests	\$ 950.00
856.111.005P	Human IL-5 PVDF, with plates	5 x 96 tests	\$ 570.00
856.111.010P	Human IL-5 PVDF, with plates	10 x 96 tests	\$ 800.00
856.111.015P	Human IL-5 PVDF, with plates	15 x 96 tests	\$ 1,020.00
856.111.020P	Human IL-5 PVDF, with plates	20 x 96 tests	\$ 1,250.00
856.021.005	Human IL-6, PVDF	5 x 96 tests	\$ 495.00
856.021.010	Human IL-6, PVDF	10 x 96 tests	\$ 650.00
856.021.015	Human IL-6, PVDF	15 x 96 tests	\$ 795.00
856.021.020	Human IL-6, PVDF	20 x 96 tests	\$ 950.00
856.021.005P	Human IL-6, PVDF, with plates	5 x 96 tests	\$ 570.00
856.021.010P	Human IL-6, PVDF, with plates	10 x 96 tests	\$ 800.00
856.021.015P	Human IL-6, PVDF, with plates	15 x 96 tests	\$ 1,020.00
856.021.020P	Human IL-6, PVDF, with plates	20 x 96 tests	\$ 1,250.00
856.031.005	Human IL-10, PVDF	5 x 96 tests	\$ 495.00
856.031.010	Human IL-10, PVDF	10 x 96 tests	\$ 650.00
856.031.015	Human IL-10, PVDF	15 x 96 tests	\$ 795.00
856.031.020	Human IL-10, PVDF	20 x 96 tests	\$ 950.00
856.031.005P	Human IL-10, PVDF, with plates	5 x 96 tests	\$ 570.00



**Cell Sciences, Inc.**  
 480 Neponset St., Bldg. 12A  
 Canton, MA 02021

Toll Free: 888 769-1246  
 Phone: 781 828-0610  
 Fax: 781 828-0542

E-mail: [info@cellsciences.com](mailto:info@cellsciences.com)  
 Web Site: [www.cellsciences.com](http://www.cellsciences.com)

856.031.010P	Human IL-10, PVDF, with plates	10 x 96 tests	\$ 800.00
856.031.015P	Human IL-10, PVDF, with plates	15 x 96 tests	\$ 1,020.00
856.031.020P	Human IL-10, PVDF, with plates	20 x 96 tests	\$ 1,250.00
856.081.005	Human IL-12, PVDF	5 x 96 tests	\$ 495.00
856.081.010	Human IL-12, PVDF	10 x 96 tests	\$ 650.00
856.081.015	Human IL-12, PVDF	15 x 96 tests	\$ 795.00
856.081.020	Human IL-12, PVDF	20 x 96 tests	\$ 950.00
856.081.005P	Human IL-12, PVDF, with plates	5 x 96 tests	\$ 570.00
856.081.010P	Human IL-12, PVDF, with plates	10 x 96 tests	\$ 800.00
856.081.015P	Human IL-12, PVDF, with plates	15 x 96 tests	\$ 1,020.00
856.081.020P	Human IL-12, PVDF, with plates	20 x 96 tests	\$ 1,250.00
856.121.005	Human IL-13, PVDF	5 x 96 tests	\$ 495.00
856.121.010	Human IL-13, PVDF	10 x 96 tests	\$ 650.00
856.121.015	Human IL-13, PVDF	15 x 96 tests	\$ 795.00
856.121.020	Human IL-13, PVDF	20 x 96 tests	\$ 950.00
856.121.005P	Human IL-13, PVDF, with plates	5 x 96 tests	\$ 570.00
856.121.010P	Human IL-13, PVDF, with plates	10 x 96 tests	\$ 800.00
856.121.015P	Human IL-13, PVDF, with plates	15 x 96 tests	\$ 1,020.00
856.121.020P	Human IL-13, PVDF, with plates	20 x 96 tests	\$ 1,250.00
856.041.005	Human TNF-alpha PVDF	5 x 96 tests	\$ 495.00
856.041.010	Human TNF-alpha PVDF	10 x 96 tests	\$ 650.00
856.041.015	Human TNF-alpha PVDF	15 x 96 tests	\$ 795.00
856.041.020	Human TNF-alpha PVDF	20 x 96 tests	\$ 950.00
856.041.005P	Human TNF-alpha PVDF, with plates	5 x 96 tests	\$ 570.00
856.041.010P	Human TNF-alpha PVDF, with plates	10 x 96 tests	\$ 800.00
856.041.015P	Human TNF-alpha PVDF, with plates	15 x 96 tests	\$ 1,020.00
856.041.020P	Human TNF-alpha PVDF, with plates	20 x 96 tests	\$ 1,250.00
856.091.005	Human sFAS-Ligand/CD 178 PVDF	5 x 96 tests	\$ 495.00
856.091.010	Human sFAS-Ligand/CD 178 PVDF	10 x 96 tests	\$ 650.00
856.091.015	Human sFAS-Ligand/CD 178 PVDF	15 x 96 tests	\$ 795.00
856.091.020	Human sFAS-Ligand/CD 178 PVDF	20 x 96 tests	\$ 950.00
856.091.005P	Human sFAS-Ligand/CD 178 PVDF, with plates	5 x 96 tests	\$ 570.00
856.091.010P	Human sFAS-Ligand/CD 178 PVDF, with plates	10 x 96 tests	\$ 800.00
856.091.015P	Human sFAS-Ligand/CD 178 PVDF, with plates	15 x 96 tests	\$ 1,020.00
856.091.020P	Human sFAS-Ligand/CD 178 PVDF, with plates	20 x 96 tests	\$ 1,250.00



## Monkey & Chimpanzee ELISPOT Kits

### **CHIMPANZEE ELISPOT KITS** (without plates)

Catalog No:	Item:	Size:	Price:
CKC112	Chimpanzee IFN-gamma	5 x 96 tests	\$725.00
CKC113	Chimpanzee IL-2	5 x 96 tests	\$725.00
CKC114	Chimpanzee IL-4	5 x 96 tests	\$725.00
CKC115	Chimpanzee IL-5	5 x 96 tests	\$725.00
CKC116	Chimpanzee IL-6	5 x 96 tests	\$725.00
CKC117	Chimpanzee IL-8	5 x 96 tests	\$725.00
CKC118	Chimpanzee IL-10	5 x 96 tests	\$725.00
CKC119	Chimpanzee IL-12	5 x 96 tests	\$725.00
CKC120	Chimpanzee IL-13	5 x 96 tests	\$725.00
CKC121	Chimpanzee TNF-alpha	5 x 96 tests	\$725.00

### **CHIMPANZEE ELISPOT KITS** (with sterile, transparent, Millipore PVDF plates)

Catalog No:	Item:	Size:	Price:
CKC112S	Chimpanzee IFN-gamma	5 x 96 tests	\$805.00
CKC113S	Chimpanzee IL-2	5 x 96 tests	\$805.00
CKC114S	Chimpanzee IL-4	5 x 96 tests	\$805.00
CKC115S	Chimpanzee IL-5	5 x 96 tests	\$805.00
CKC116S	Chimpanzee IL-6	5 x 96 tests	\$805.00
CKC117S	Chimpanzee IL-8	5 x 96 tests	\$805.00
CKC118S	Chimpanzee IL-10	5 x 96 tests	\$805.00
CKC119S	Chimpanzee IL-12	5 x 96 tests	\$805.00
CKC120S	Chimpanzee IL-13	5 x 96 tests	\$805.00
CKC121S	Chimpanzee TNF-alpha	5 x 96 tests	\$805.00

### **MONKEY ELISPOT KITS** (without plates)

Catalog No:	Item:	*Specificity:	Size:	Price:
CKM011	Monkey Granzyme B	R, C	5 x 96 tests	\$725.00
CKM012	Monkey IFN-gamma	R, C, B, P, A	5 x 96 tests	\$725.00
CKM013	Monkey IL-2	R, C, B, P, A	5 x 96 tests	\$725.00
CKM014	Monkey IL-4	R, C, B, P	5 x 96 tests	\$725.00
CKM015	Monkey IL-5	R, C, B, P, A	5 x 96 tests	\$725.00
CKM016	Monkey IL-6	R, C, B, P, A	5 x 96 tests	\$725.00
CKM017	Monkey IL-8	R, C, B, P, A	5 x 96 tests	\$725.00
CKM018	Monkey IL-10	R, C, B, P, A	5 x 96 tests	\$725.00
CKM019	Monkey IL-12 p40 + p70	R, C, B, P, A	5 x 96 tests	\$725.00
CKM020	Monkey IL-13	R, C, B, P, A	5 x 96 tests	\$725.00
CKM021	Monkey TNF-alpha	R, C, B, P, A, M	5 x 96 tests	\$725.00

\* Specificity: R = rhesus macaque, C = cynomolgus, B = baboon, P = pig-tailed macaque, A = african green monkey, M = marmoset



**Cell Sciences, Inc.**  
480 Neponset St., Bldg. 12A  
Canton, MA 02021

Toll Free: 888 769-1246  
Phone: 781 828-0610  
Fax: 781 828-0542

E-mail: [info@cellsciences.com](mailto:info@cellsciences.com)  
Web Site: [www.cellsciences.com](http://www.cellsciences.com)

## **MONKEY ELISPOT KITS** (with sterile, transparent, Millipore PVDF plates)

Catalog No:	Item:	*Specificity:	Size:	Price:
CKM011S	Monkey Granzyme B	R, C	5 x 96 tests	\$805.00
CKM012S	Monkey IFN-gamma	R, C, B, P, A	5 x 96 tests	\$805.00
CKM013S	Monkey IL-2	R, C, B, P, A	5 x 96 tests	\$805.00
CKM014S	Monkey IL-4	R, C, B, P	5 x 96 tests	\$805.00
CKM015S	Monkey IL-5	R, C, B, P, A	5 x 96 tests	\$805.00
CKM016S	Monkey IL-6	R, C, B, P, A	5 x 96 tests	\$805.00
CKM017S	Monkey IL-8	R, C, B, P, A	5 x 96 tests	\$805.00
CKM018S	Monkey IL-10	R, C, B, P, A	5 x 96 tests	\$805.00
CKM019S	Monkey IL-12 p40 + p70	R, C, B, P, A	5 x 96 tests	\$805.00
CKM020S	Monkey IL-13	R, C, B, P, A	5 x 96 tests	\$805.00
CKM021S	Monkey TNF-alpha	R, C, B, P, A, M	5 x 96 tests	\$805.00

\* Specificity: R = rhesus macaque, C = cynomolgus, B = baboon, P = pig-tailed macaque, A = african green monkey, M = marmoset

## **MOUSE ELISPOT KITS** (available with or without sterile PVDF plates)

862.031.005	Murine IFN-gamma PVDF	5 x 96 tests	\$	495.00
862.031.010	Murine IFN-gamma PVDF	10 x 96 tests	\$	650.00
862.031.015	Murine IFN-gamma PVDF	15 x 96 tests	\$	795.00
862.031.020	Murine IFN-gamma PVDF	20 x 96 tests	\$	950.00
862.031.005P	Murine IFN-gamma PVDF, with plates	5 x 96 tests	\$	570.00
862.031.010P	Murine IFN-gamma PVDF, with plates	10 x 96 tests	\$	800.00
862.031.015P	Murine IFN-gamma PVDF, with plates	15 x 96 tests	\$	1,020.00
862.031.020P	Murine IFN-gamma PVDF, with plates	20 x 96 tests	\$	1,250.00
862.001.005	Murine IL-2 PVDF	5 x 96 tests	\$	495.00
862.001.010	Murine IL-2 PVDF	10 x 96 tests	\$	650.00
862.001.015	Murine IL-2 PVDF	15 x 96 tests	\$	795.00
862.001.020	Murine IL-2 PVDF	20 x 96 tests	\$	950.00
862.001.005P	Murine IL-2 PVDF, with plates	5 x 96 tests	\$	570.00
862.001.010P	Murine IL-2 PVDF, with plates	10 x 96 tests	\$	800.00
862.001.015P	Murine IL-2 PVDF, with plates	15 x 96 tests	\$	1,020.00
862.001.020P	Murine IL-2 PVDF, with plates	20 x 96 tests	\$	1,250.00
862.021.005	Murine IL-10 PVDF	5 x 96 tests	\$	495.00
862.021.010	Murine IL-10 PVDF	10 x 96 tests	\$	650.00
862.021.015	Murine IL-10 PVDF	15 x 96 tests	\$	795.00
862.021.020	Murine IL-10 PVDF	20 x 96 tests	\$	950.00
862.021.005P	Murine IL-10 PVDF, with plates	5 x 96 tests	\$	570.00
862.021.010P	Murine IL-10 PVDF, with plates	10 x 96 tests	\$	800.00
862.021.015P	Murine IL-10 PVDF, with plates	15 x 96 tests	\$	1,020.00
862.021.020P	Murine IL-10 PVDF, with plates	20 x 96 tests	\$	1,250.00



**Cell Sciences, Inc.**  
480 Neponset St., Bldg. 12A  
Canton, MA 02021

Toll Free: 888 769-1246  
Phone: 781 828-0610  
Fax: 781 828-0542

E-mail: [info@cellsciences.com](mailto:info@cellsciences.com)  
Web Site: [www.cellsciences.com](http://www.cellsciences.com)

## **RAT ELISPOT KITS** (available with or without sterile PVDF plates)

867.011.005	Rat IFN-gamma PVDF	5 x 96 tests	\$ 495.00
867.011.010	Rat IFN-gamma PVDF	10 x 96 tests	\$ 650.00
867.011.015	Rat IFN-gamma PVDF	15 x 96 tests	\$ 795.00
867.011.020	Rat IFN-gamma PVDF	20 x 96 tests	\$ 950.00
867.011.005P	Rat IFN-gamma PVDF, with plates	5 x 96 tests	\$ 570.00
867.011.010P	Rat IFN-gamma PVDF, with plates	10 x 96 tests	\$ 800.00
867.011.015P	Rat IFN-gamma PVDF, with plates	15 x 96 tests	\$ 1,020.00
867.011.020P	Rat IFN-gamma PVDF, with plates	20 x 96 tests	\$ 1,250.00
867.001.005	Rat IL-4 PVDF	5 x 96 tests	\$ 495.00
867.001.010	Rat IL-4 PVDF	10 x 96 tests	\$ 650.00
867.001.015	Rat IL-4 PVDF	15 x 96 tests	\$ 795.00
867.001.020	Rat IL-4 PVDF	20 x 96 tests	\$ 950.00
867.001.005P	Rat IL-4 PVDF, with plates	5 x 96 tests	\$ 570.00
867.001.010P	Rat IL-4 PVDF, with plates	10 x 96 tests	\$ 800.00
867.001.015P	Rat IL-4 PVDF, with plates	15 x 96 tests	\$ 1,020.00
867.001.020P	Rat IL-4 PVDF, with plates	20 x 96 tests	\$ 1,250.00
867.021.005	Rat TNF-alpha PVDF	5 x 96 tests	\$ 495.00
867.021.010	Rat TNF-alpha PVDF	10 x 96 tests	\$ 650.00
867.021.015	Rat TNF-alpha PVDF	15 x 96 tests	\$ 795.00
867.021.020	Rat TNF-alpha PVDF	20 x 96 tests	\$ 950.00
867.021.005P	Rat TNF-alpha PVDF, with plates	5 x 96 tests	\$ 570.00
867.021.010P	Rat TNF-alpha PVDF, with plates	10 x 96 tests	\$ 800.00
867.021.015P	Rat TNF-alpha PVDF, with plates	15 x 96 tests	\$ 1,020.00
867.021.020P	Rat TNF-alpha PVDF, with plates	20 x 96 tests	\$ 1,250.00

## **Cytokine ELISPOT / PVDF Fluorescent**

### **Principle of the method for fluorescent detection ELISPOT**

After cell stimulation, locally produced cytokines are captured by a specific monoclonal antibody. After cell lysis, trapped cytokine molecules are revealed by a secondary biotinylated detection antibody, which is in turn recognized by streptavidin conjugated to phycoerythrin. Red spots are visualized under a UV light beam, indicating cytokine production by individual cells.

### ***HUMAN ELISPOT KITS / Fluorescent Detection***

856.082.005	Human IFN-gamma PVDF, Fluorescent	5 x 96 tests	\$ 495.00
856.082.010	Human IFN-gamma PVDF, Fluorescent	10 x 96 tests	\$ 650.00
856.082.015	Human IFN-gamma PVDF, Fluorescent	15 x 96 tests	\$ 795.00
856.082.020	Human IFN-gamma PVDF, Fluorescent	20 x 96 tests	\$ 950.00
856.082.005P	Human IFN- $\gamma$ PVDF, Fluorescent, with plates	5 x 96 tests	\$ 570.00
856.082.010P	Human IFN- $\gamma$ PVDF, Fluorescent, with plates	10 x 96 tests	\$ 800.00



856.082.015P	Human IFN- $\gamma$ PVDF, Fluorescent, with plates	15 x 96 tests	\$	1,020.00
856.082.020P	Human IFN- $\gamma$ PVDF, Fluorescent, with plates	20 x 96 tests	\$	1,250.00
856.002.005	Human IL-1 beta PVDF, Fluorescent	5 x 96 tests	\$	495.00
856.002.010	Human IL-1 beta PVDF, Fluorescent	10 x 96 tests	\$	650.00
856.002.015	Human IL-1 beta PVDF, Fluorescent	15 x 96 tests	\$	795.00
856.002.020	Human IL-1 beta PVDF, Fluorescent	20 x 96 tests	\$	950.00
856.002.005P	Human IL-1 beta PVDF, Fluorescent, with plates	5 x 96 tests	\$	570.00
856.002.010P	Human IL-1 beta PVDF, Fluorescent, with plates	10 x 96 tests	\$	800.00
856.002.015P	Human IL-1 beta PVDF, Fluorescent, with plates	15 x 96 tests	\$	1,020.00
856.002.020P	Human IL-1 beta PVDF, Fluorescent, with plates	20 x 96 tests	\$	1,250.00
856.012.005	Human IL-2 PVDF, Fluorescent	5 x 96 tests	\$	495.00
856.012.010	Human IL-2 PVDF, Fluorescent	10 x 96 tests	\$	650.00
856.012.015	Human IL-2 PVDF, Fluorescent	15 x 96 tests	\$	795.00
856.012.020	Human IL-2 PVDF, Fluorescent	20 x 96 tests	\$	950.00
856.012.005P	Human IL-2 PVDF, Fluorescent, with plates	5 x 96 tests	\$	570.00
856.012.010P	Human IL-2 PVDF, Fluorescent, with plates	10 x 96 tests	\$	800.00
856.012.015P	Human IL-2 PVDF, Fluorescent, with plates	15 x 96 tests	\$	1,020.00
856.012.020P	Human IL-2 PVDF, Fluorescent, with plates	20 x 96 tests	\$	1,250.00
856.022.005	Human IL-4 PVDF , Fluorescent	5 x 96 tests	\$	495.00
856.022.010	Human IL-4 PVDF , Fluorescent	10 x 96 tests	\$	650.00
856.022.015	Human IL-4 PVDF , Fluorescent	15 x 96 tests	\$	795.00
856.022.020	Human IL-4 PVDF , Fluorescent	20 x 96 tests	\$	950.00
856.022.005P	Human IL-4 PVDF, Fluorescent, with plates	5 x 96 tests	\$	570.00
856.022.010P	Human IL-4 PVDF, Fluorescent, with plates	10 x 96 tests	\$	800.00
856.022.015P	Human IL-4 PVDF, Fluorescent, with plates	15 x 96 tests	\$	1,020.00
856.022.020P	Human IL-4 PVDF, Fluorescent, with plates	20 x 96 tests	\$	1,250.00
856.032.005	Human IL-5 PVDF , Fluorescent	5 x 96 tests	\$	495.00
856.032.010	Human IL-5 PVDF , Fluorescent	10 x 96 tests	\$	650.00
856.032.015	Human IL-5 PVDF , Fluorescent	15 x 96 tests	\$	795.00
856.032.020	Human IL-5 PVDF , Fluorescent	20 x 96 tests	\$	950.00
856.032.005P	Human IL-5 PVDF , Fluorescent, with plates	5 x 96 tests	\$	570.00
856.032.010P	Human IL-5 PVDF , Fluorescent, with plates	10 x 96 tests	\$	800.00
856.032.015P	Human IL-5 PVDF , Fluorescent, with plates	15 x 96 tests	\$	1,020.00
856.032.020P	Human IL-5 PVDF , Fluorescent, with plates	20 x 96 tests	\$	1,250.00
856.042.005	Human IL-6, PVDF , Fluorescent	5 x 96 tests	\$	495.00
856.042.010	Human IL-6, PVDF , Fluorescent	10 x 96 tests	\$	650.00
856.042.015	Human IL-6, PVDF , Fluorescent	15 x 96 tests	\$	795.00
856.042.020	Human IL-6, PVDF , Fluorescent	20 x 96 tests	\$	950.00
856.042.005P	Human IL-6, PVDF , Fluorescent, with plates	5 x 96 tests	\$	570.00
856.042.010P	Human IL-6, PVDF , Fluorescent, with plates	10 x 96 tests	\$	800.00
856.042.015P	Human IL-6, PVDF , Fluorescent, with plates	15 x 96 tests	\$	1,020.00



**Cell Sciences, Inc.**  
480 Neponset St., Bldg. 12A  
Canton, MA 02021

Toll Free: 888 769-1246  
Phone: 781 828-0610  
Fax: 781 828-0542

E-mail: [info@cellsciences.com](mailto:info@cellsciences.com)  
Web Site: [www.cellsciences.com](http://www.cellsciences.com)

856.042.020P	Human IL-6, PVDF , Fluorescent, with plates	20 x 96 tests	\$ 1,250.00
856.052.005	Human IL-10, PVDF, Fluorescent	5 x 96 tests	\$ 495.00
856.052.010	Human IL-10, PVDF, Fluorescent	10 x 96 tests	\$ 650.00
856.052.015	Human IL-10, PVDF, Fluorescent	15 x 96 tests	\$ 795.00
856.052.020	Human IL-10, PVDF, Fluorescent	20 x 96 tests	\$ 950.00
856.052.005P	Human IL-10, PVDF, Fluorescent, with plates	5 x 96 tests	\$ 570.00
856.052.010P	Human IL-10, PVDF, Fluorescent, with plates	10 x 96 tests	\$ 800.00
856.052.015P	Human IL-10, PVDF, Fluorescent, with plates	15 x 96 tests	\$ 1,020.00
856.052.020P	Human IL-10, PVDF, Fluorescent, with plates	20 x 96 tests	\$ 1,250.00
856.062.005	Human IL-12, PVDF, Fluorescent	5 x 96 tests	\$ 495.00
856.062.010	Human IL-12, PVDF, Fluorescent	10 x 96 tests	\$ 650.00
856.062.015	Human IL-12, PVDF, Fluorescent	15 x 96 tests	\$ 795.00
856.062.020	Human IL-12, PVDF, Fluorescent	20 x 96 tests	\$ 950.00
856.062.005P	Human IL-12, PVDF, Fluorescent, with plates	5 x 96 tests	\$ 570.00
856.062.010P	Human IL-12, PVDF, Fluorescent, with plates	10 x 96 tests	\$ 800.00
856.062.015P	Human IL-12, PVDF, Fluorescent, with plates	15 x 96 tests	\$ 1,020.00
856.062.020P	Human IL-12, PVDF, Fluorescent, with plates	20 x 96 tests	\$ 1,250.00
856.092.005	Human IL-13, PVDF, Fluorescent	5 x 96 tests	\$ 495.00
856.092.010	Human IL-13, PVDF, Fluorescent	10 x 96 tests	\$ 650.00
856.092.015	Human IL-13, PVDF, Fluorescent	15 x 96 tests	\$ 795.00
856.092.020	Human IL-13, PVDF, Fluorescent	20 x 96 tests	\$ 950.00
856.092.005P	Human IL-13, PVDF, Fluorescent, with plates	5 x 96 tests	\$ 570.00
856.092.010P	Human IL-13, PVDF, Fluorescent, with plates	10 x 96 tests	\$ 800.00
856.092.015P	Human IL-13, PVDF, Fluorescent, with plates	15 x 96 tests	\$ 1,020.00
856.092.020P	Human IL-13, PVDF, Fluorescent, with plates	20 x 96 tests	\$ 1,250.00
856.072.005	Human TNF-alpha PVDF, Fluorescent	5 x 96 tests	\$ 495.00
856.072.010	Human TNF-alpha PVDF, Fluorescent	10 x 96 tests	\$ 650.00
856.072.015	Human TNF-alpha PVDF, Fluorescent	15 x 96 tests	\$ 795.00
856.072.020	Human TNF-alpha PVDF, Fluorescent	20 x 96 tests	\$ 950.00
856.072.005P	Human TNF-alpha PVDF, Fluorescent, with plates	5 x 96 tests	\$ 570.00
856.072.010P	Human TNF-alpha PVDF, Fluorescent, with plates	10 x 96 tests	\$ 800.00
856.072.015P	Human TNF-alpha PVDF, Fluorescent, with plates	15 x 96 tests	\$ 1,020.00
856.072.020P	Human TNF-alpha PVDF, Fluorescent, with plates	20 x 96 tests	\$ 1,250.00



## Dual Color ELISPOT

### Intended Use

The ELISPOT assay is designed to enumerate cytokine producing cells in a single cell suspension. This method has the advantage of requiring a minimum of *in-vitro* manipulations, allowing cytokine production analysis as close as possible to *in-vivo* conditions. This technique is designed to determine the frequency of cytokine producing cells under a given stimulation and enables the follow-up of such frequency during a treatment and/or a pathological state. The dual color ELISPOT allows you to simultaneously monitor the production of two cytokines in a single well.

### Principle of the Method for Dual Color ELISPOT

Example: IFN-gamma/IL-4 Dual Color ELISPOT

After cell stimulation, locally produced cytokines are captured by IFN $\gamma$  and IL-4 specific monoclonal antibodies. The trapped cytokine molecules are revealed following cell lysis by a secondary anti-IFN $\gamma$  FITC conjugated antibody and a biotinylated anti-IL-4 antibody, which are in turn recognized by anti-FITC HRP and streptavidin-AP conjugates. PVDF bottomed-well plates are then incubated first with AEC substrate buffer, washed and subsequently incubated with BCIP/NBT. Colored red/brownish spots indicate IFN $\gamma$  production while IL-4 is revealed by blue/purple spots.

### ***HUMAN DUAL COLOR ELISPOT KITS***

874.040.005	Human IFN-gamma/IL-2	5 x 96 tests	\$	750.00
874.040.010	Human IFN-gamma/IL-2	10 x 96 tests	\$	995.00
874.040.015	Human IFN-gamma/IL-2	15 x 96 tests	\$	1,280.00
874.040.020	Human IFN-gamma/IL-2	20 x 96 tests	\$	1,500.00
874.040.005P	Human IFN-gamma/IL-2, with plates	5 x 96 tests	\$	825.00
874.040.010P	Human IFN-gamma/IL-2, with plates	10 x 96 tests	\$	1,145.00
874.040.015P	Human IFN-gamma/IL-2, with plates	15 x 96 tests	\$	1,500.00
874.040.020P	Human IFN-gamma/IL-2, with plates	20 x 96 tests	\$	1,800.00
874.010.005	Human IFN-gamma/IL-4	5 x 96 tests	\$	750.00
874.010.010	Human IFN-gamma/IL-4	10 x 96 tests	\$	995.00
874.010.015	Human IFN-gamma/IL-4	15 x 96 tests	\$	1,280.00
874.010.020	Human IFN-gamma/IL-4	20 x 96 tests	\$	1,500.00
874.010.005P	Human IFN-gamma/IL-4, with plates	5 x 96 tests	\$	825.00
874.010.010P	Human IFN-gamma/IL-4, with plates	10 x 96 tests	\$	1,145.00
874.010.015P	Human IFN-gamma/IL-4, with plates	15 x 96 tests	\$	1,500.00
874.010.020P	Human IFN-gamma/IL-4, with plates	20 x 96 tests	\$	1,800.00
874.020.005	Human IFN-gamma/IL-5	5 x 96 tests	\$	750.00
874.020.010	Human IFN-gamma/IL-5	10 x 96 tests	\$	995.00
874.020.015	Human IFN-gamma/IL-5	15 x 96 tests	\$	1,280.00
874.020.020	Human IFN-gamma/IL-5	20 x 96 tests	\$	1,500.00
874.020.005P	Human IFN-gamma/IL-5, with plates	5 x 96 tests	\$	825.00
874.020.010P	Human IFN-gamma/IL-5, with plates	10 x 96 tests	\$	1,145.00
874.020.015P	Human IFN-gamma/IL-5, with plates	15 x 96 tests	\$	1,500.00
874.020.020P	Human IFN-gamma/IL-5, with plates	20 x 96 tests	\$	1,800.00



874.000.005	Human IFN-gamma/IL-10	5 x 96 tests	\$ 750.00
874.000.010	Human IFN-gamma/IL-10	10 x 96 tests	\$ 995.00
874.000.015	Human IFN-gamma/IL-10	15 x 96 tests	\$ 1,280.00
874.000.020	Human IFN-gamma/IL-10	20 x 96 tests	\$ 1,500.00
874.000.005P	Human IFN-gamma/IL-10, with plates	5 x 96 tests	\$ 825.00
874.000.010P	Human IFN-gamma/IL-10, with plates	10 x 96 tests	\$ 1,145.00
874.000.015P	Human IFN-gamma/IL-10, with plates	15 x 96 tests	\$ 1,500.00
874.000.020P	Human IFN-gamma/IL-10, with plates	20 x 96 tests	\$ 1,800.00
874.050.005	Human IL-2/IL-10	5 x 96 tests	\$ 750.00
874.050.010	Human IL-2/IL-10	10 x 96 tests	\$ 995.00
874.050.015	Human IL-2/IL-10	15 x 96 tests	\$ 1,280.00
874.050.020	Human IL-2/IL-10	20 x 96 tests	\$ 1,500.00
874.050.005P	Human IL-2/IL-10, with plates	5 x 96 tests	\$ 825.00
874.050.010P	Human IL-2/IL-10, with plates	10 x 96 tests	\$ 1,145.00
874.050.015P	Human IL-2/IL-10, with plates	15 x 96 tests	\$ 1,500.00
874.050.020P	Human IL-2/IL-10, with plates	20 x 96 tests	\$ 1,800.00
874.030.005	Human IL-4/IL-10	5 x 96 tests	\$ 750.00
874.030.010	Human IL-4/IL-10	10 x 96 tests	\$ 995.00
874.030.015	Human IL-4/IL-10	15 x 96 tests	\$ 1,280.00
874.030.020	Human IL-4/IL-10	20 x 96 tests	\$ 1,500.00
874.030.005P	Human IL-4/IL-10, with plates	5 x 96 tests	\$ 825.00
874.030.010P	Human IL-4/IL-10, with plates	10 x 96 tests	\$ 1,145.00
874.030.015P	Human IL-4/IL-10, with plates	15 x 96 tests	\$ 1,500.00
874.030.020P	Human IL-4/IL-10, with plates	20 x 96 tests	\$ 1,800.00

## Matched Antibody Pairs for ELISPOT Method

Antibody pairs are offered to scientists who have their own ELISPOT method. These antibodies are identical to those used in the complete ELISPOT kits. They are available in a 10 x 96 plate format.

<i>Matched Antibody Pairs for ELISPOT Method</i>			
869.060.010	Matched Antibody Pairs for Human IFN-gamma	10 x 96 tests	\$ 650.00
869.100.010	Matched Antibody Pairs for Human IL-1 beta	10 x 96 tests	\$ 650.00
869.000.010	Matched Antibody Pairs for Human IL-2	10 x 96 tests	\$ 650.00
869.010.010	Matched Antibody Pairs for Human IL-4	10 x 96 tests	\$ 650.00
869.110.010	Matched Antibody Pairs for Human IL-5	10 x 96 tests	\$ 650.00
869.020.010	Matched Antibody Pairs for Human IL-6	10 x 96 tests	\$ 650.00
869.030.010	Matched Antibody Pairs for Human IL-10	10 x 96 tests	\$ 650.00
869.040.010	Matched Antibody Pairs for Human IL-12	10 x 96 tests	\$ 650.00
869.120.010	Matched Antibody Pairs for Human IL-13	10 x 96 tests	\$ 650.00
869.050.010	Matched Antibody Pairs for Human TNF-alpha	10 x 96 tests	\$ 650.00



869.080.010	Matched Antibody Pairs for Human sFAS-Ligand/CD 178	10 x 96 tests	\$	650.00
CK1041	Matched Antibody Pairs for Monkey Granzyme B	10 x 96 tests	\$	650.00
CK1042	Matched Antibody Pairs for Monkey IFN-gamma	10 x 96 tests	\$	650.00
CK1043	Matched Antibody Pairs for Monkey IL-2	10 x 96 tests	\$	650.00
CK1044	Matched Antibody Pairs for Monkey IL-4	10 x 96 tests	\$	650.00
CK1045	Matched Antibody Pairs for Monkey IL-5	10 x 96 tests	\$	650.00
CK1046	Matched Antibody Pairs for Monkey IL-6	10 x 96 tests	\$	650.00
CK1047	Matched Antibody Pairs for Monkey IL-8	10 x 96 tests	\$	650.00
CK1048	Matched Antibody Pairs for Monkey IL-10	10 x 96 tests	\$	650.00
CK1049	Matched Antibody Pairs for Monkey IL-12p40+p70	10 x 96 tests	\$	650.00
CK1050	Matched Antibody Pairs for Monkey IL-13	10 x 96 tests	\$	650.00
CK1051	Matched Antibody Pairs for Monkey TNF-alpha	10 x 96 tests	\$	650.00
CK1052	Matched Antibody Pairs for Chimpanzee IFN- $\gamma$	10 x 96 tests	\$	650.00
CK1053	Matched Antibody Pairs for Chimpanzee IL-2	10 x 96 tests	\$	650.00
CK1054	Matched Antibody Pairs for Chimpanzee IL-4	10 x 96 tests	\$	650.00
CK1055	Matched Antibody Pairs for Chimpanzee IL-5	10 x 96 tests	\$	650.00
CK1056	Matched Antibody Pairs for Chimpanzee IL-6	10 x 96 tests	\$	650.00
CK1057	Matched Antibody Pairs for Chimpanzee IL-8	10 x 96 tests	\$	650.00
CK1058	Matched Antibody Pairs for Chimpanzee IL-10	10 x 96 tests	\$	650.00
CK1059	MAP for Chimpanzee IL-12p40+p70	10 x 96 tests	\$	650.00
CK1060	Matched Antibody Pairs for Chimpanzee IL-13	10 x 96 tests	\$	650.00
CK1061	MAP for Chimpanzee TNF-alpha	10 x 96 tests	\$	650.00



**Cell Sciences, Inc.**  
 480 Neponset St., Bldg. 12A  
 Canton, MA 02021

Toll Free: 888 769-1246  
 Phone: 781 828-0610  
 Fax: 781 828-0542

E-mail: [info@cellsciences.com](mailto:info@cellsciences.com)  
 Web Site: [www.cellsciences.com](http://www.cellsciences.com)