

Mouse IL-4 ELISA Antibody Pair

Catalog No: CK1069

Size: 10 plate format

Coating antibodies (2 vials)

Product: Monoclonal antibody to mouse interleukin 4 (IL-4)
Isotype: Rat IgG₁
Production: *In vitro* using serum free medium
Purification: Ammonium sulphate precipitation, protein A- and ligand-affinity chromatography
Buffer: Prior to lyophilization: 0.25 ml PBS + 125 mM trehalose
Application: Inject 0.25 ml distilled water into the vial and dilute 100 times in PBS. The content of one vial is sufficient for five 96-well ELISA plates (480 determinations; 50 µl/well).

Detection antibodies (2 vials)

Product: Biotinylated monoclonal antibody to mouse interleukin 4 (IL-4)
Isotype: Rat IgG₁
Production: *In vitro* using serum free medium
Purification: Protein G-affinity chromatography
Labeling: With Biotin-7-NHS (N-hydroxysuccinimide)
Contents: Each vial contains sufficient material for five 96-well ELISPOT plates
Buffer: Prior to lyophilization: 0.5 ml PBS + 1% BSA + 125 mM trehalose
Application: Inject 0.5 ml distilled water into the vial and dilute 100 times in PBS + 0.5% BSA + 0.05% Tween-20. The content of one vial is sufficient for five 96-well ELISA plates (480 determinations; 100 µl/well).

Standards (5 vials)

Product: Recombinant mouse interleukin 4 (IL-4)
Application: Cytokine standard in an ELISA system
Reconstitution: Dissolve the contents of one vial by injection of 0.5 ml distilled water into the vial. Use immediately.

Conjugate (2 vials)

Product: SPP conjugate (Streptavidin-HRP)
Application: Inject 0.5 ml distilled water into the vial and dilute 100 times in PBS + 0.5% BSA + 0.05% Tween-20. The content of one vial is sufficient for five 96-well ELISA plates (480 determinations; 100 µl/well). The product should be used in conjunction with TMB substrate.

General

Sensitivity: < 5 pg/ml
Specificity: Validated for detecting natural and recombinant mouse IL-4
Sterility: Membrane filtered (0.2 µm)
Stability: Lyophilized SPP conjugate is stable for at least one year at -20°C, the other lyophilized products are stable for at least one year at 4°C.
After reconstitution, the antibodies are stable for one year at 4°C (if kept sterile) and SPP for minimal one year at -20°C. The reconstituted standard preparation should be used immediately.

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