

Anti-Human Interleukin 10 (IL-10), clone JES3-9D7 Monoclonal Antibody

Catalog No:	CMI316
Size:	500 µg
Clone Number:	JES3-9D7
Concentration:	0.5 mg/0.5 mL
Formulation:	Purified immunoglobulin in phosphate buffered saline, pH 7.2. Preservative free, 0.22 micron sterile filtered.
Isotype:	IgG1
Purification:	Purified from ascites by Protein A/G affinity chromatography.
Purity:	>95% as determined by SDS-PAGE analysis.
Immunogen:	Recombinant human Interleukin 10.
Myeloma/Fusion Partners:	Rat spleen cells fused with P3X63-AG8.653 myeloma.
Specificity:	Recognizes natural and recombinant human IL-10.
Applications:	This antibody is suitable for use in flow cytometry, ELISA as a coating antibody, western blotting and human IL-10 neutralization studies.
Recommended Dilutions:	Centrifuge vial briefly before opening to bring contents to bottom of vial. Immediately prior to use as a coating antibody in ELISA, dilute this preparation to a final concentration of 1-5 µg/mL in an appropriate buffer, and coat each well of a microtiter plate with 100 µL. Alternatively, the antibody may be diluted in buffered solution with carrier protein, such as phosphate buffered saline with 0.1-1.0% bovine serum albumin. The optimal antibody concentration should be determined for each specific application.
Storage:	Store below -20°C. Upon initial thawing, apportion into working aliquots and store below -20°C. Avoid repeated freeze-thaw cycles to prevent denaturing the antibody.
References:	<ol style="list-style-type: none">1) Abrams, J.S., M.G.Roncarolo, H. Yssel, U. Andersson, G.J. Gleich, and J.E. Silver (1992) Strategies of anti-cytokine monoclonal antibody development: Immunoassay of IL-10 and IL-5 in clinical samples. <i>Immunological Review</i> 127:5-24.2) Cousins, D.J., T.H. Lee, and D.Z. Staynov (2002) Cytokine coexpression during human Th1/Th2 cell differentiation: Direct evidence for coordinated expression of the cytokines. <i>J. Immunol.</i> 169(5):2498-2506.



- 3) Gong, J., S. Stenger, J.A. Zack, B.E. Jones, G.C. Bristol, R.L. Modlin, P.J. Morrissey, and P.F. Barnes (1998) Isolation of Mycobacterium-reactive CD1-restricted T cells from patients with human immunodeficiency virus infection. *J. Clin. Invest.* 101:383-389.
- 4) Hutchinson, K.L., F. Villanger, M.E. Miranda, T.G. Ksiazek, C.J. Peters, and P.E. Rollin (2001) Multiplex analysis of cytokines in the blood of cynomolgus macaques naturally infected with Ebola virus. *J. Med. Virol.* 65:561-566 (cites the use of this monoclonal antibody in the detection of IL-10 from *Macaca fascicularis* [cynomolgus monkey]).
- 5) Nixon, C.S., M.J. Steffen, and J.L. Ebersole (2000) Cytokine responses to *Treponema pectinovorum* and *Treponema denticola* in human gingival fibroblasts. *Infection and Immunity* 68(9):5284-5292 (cites this antibody in ELISA).
- 6) Polack, F.P., S.J. Hoffman, W.J. Moss, and D.E. Griffin (2002) Altered synthesis of interleukin-12 and type 1 and type 2 cytokines in rhesus macaques during measles and atypical measles. *J. Infectious Diseases* 185(1):13-19 (cites the use of this monoclonal antibody in the detection of IL-10 from *Macaca mulatta* [rhesus monkey]).

NOT FOR HUMAN USE. FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES.



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