cellsciences.com

Anti-Mouse Interleukin-10 (IL-10), clone JES5-2A5 Monoclonal Antibody, azide free

Catalog No:	**CMI117**
Size:	500 µg
Concentration:	0.5 mg/0.5 mL
Clone Number:	JES5-2A5
Isotype:	Rat IgG1
Formulation:	Purified immunoglobulin in phosphate buffered saline, pH 7.2. Preservative free. 0.22 micron sterile filtered.
Purification:	Purified from ascites by Protein A/G affinity chromatography.
Purity:	>95% as determined by SDS-PAGE analysis.
Immunogen:	Purified recombinant mouse IL-10.
Specificity:	Recognizes natural and recombinant mouse IL-10.
Applications:	This antibody is suitable for use in ELISA as a coating antibody. This clone has also been found to be neutralizing based on its ability to inhibit mouse macrophage TNF-alpha production and IL-4 and IL-10 induced MC-9 (mast cell line) proliferation.
Recommended Dilution:	Centrifuge vial briefly before use to bring contents to bottom of vial. Immediately prior to use, dilute this preparation to a final concentration of 1-5 µg/mL, and coat each well of a microtiter plate with 100 µL. For neutralization studies, use a starting dilution of 10-20 µg/mL. The optimal antibody concentration should be determined for each specific application.
Storage:	Store at -20°C. Further dilutions should be made with endotoxin-free medium or buffered solution with carrier protein, such as RPMI 1640 with 10% fetal calf serum.

Reference:

1) Hunter, C. A. et al. (1995) IL-1 beta is required for IL-12 to induce production of IFN-gamma by NK cells. A role for IL-1 beta in the T cell-independent mechanism of resistance against intracellular pathogens. J. Immunol. 155(9):4347-54.
2) Rohrer, J. W. and J. H. Coggin (1995) CD8 T cell clones inhibit antitumor T cell function by secreting IL-10. J. Immunol. 155(12):5719-27.
3) Shnyra, A. et al. (1998) Reprogramming of lipopolysaccharide-primed macrophages is controlled by a counterbalanced production of IL-10 and IL-12. J. Immunol. 160(8):3729-36.
4) Schwarz, A., S. Beissert, K. Grosse-Heitmeyer, M.Gunzer, J.A. Bluestone, S. Grabbe, T. Schwarz (2000) Evidence for functional relevance of CTLA-4 in ultravioletradiation- induced tolerance. J. Immunol. 165(4):1824-1831 (cites the use of this antibody for use in neutralization *in vivo*).

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

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

E-mail: info@cellsciences.com
Web Site: www.cellsciences.com

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

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

E-mail: info@cellsciences.com
Web Site: www.cellsciences.com