

## 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.

Recognizes natural and recombinant mouse IL-10. Specificity:

**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 TNFalpha 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.

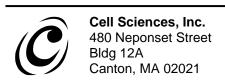
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3) Shnyra, A. et al. (1998) Reprogramming of lipopolysaccharide-primed macrophages is controlled by a counterbalanced production of IL-10 and IL-12. J. Immunol.

160(8):3729-36.

Schwarz, A., S. Beissert, K. Grosse-Heitmeyer, M.Gunzer, J.A. Bluestone, S. 4) 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).



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