



Category:
Monoclonal Antibodies

Cat. #
mab-SF-C048

Product Name:
mouse IL-10

Description:

Monoclonal rat anti-mouse IL-10. Mouse IL-10 is an 18 kDa factor also known as Cytokine Synthesis Inhibitory Factor (CSIF). In the mouse, Th2 cells, B1 cells, macrophages, and keratinocytes are the major cell subsets that produce IL-10. IL-10 inhibits synthesis of Th1 cytokines and proliferation of T cells, and acts as a costimulatory signal for mast cells, developing thymocytes and the Th2 response..

Immunogen:
Mouse IL-10.

Application:
Flow cytometry, IHC

Species Reactivity:
Mouse. Others not tested.

Presentation:
50 mM Sodium Borate, 150 mM Sodium Chloride, 20% Glycerol and 0.05% Sodium azide, pH 8.0.

Aliquoting Instructions:

Do not dilute the entire reconstituted solution at once. Withdraw aliquots as needed with a micropipette and keep concentrated stock at 4°C. Dilute according to the particular application being used. In general, the 0.05M borate pH 8.0 containing 0.15M sodium chloride, 0.02% sodium azide, is a good diluent to use with most antibodies.

Specificity:

This antibody recognises mouse Interleukin 10 (IL 10). IL 10 is expressed by Ly 1 (B 1) B cells that express CD5 (Ly 1) and a subset of lectin stimulated T cells. This antibody has been reported to be useful for the neutralization of recombinant mouse IL-10.

Storage:
Store at 2~8°C for short term, freeze under -20°C for long term storage.

Size: 0.2 mg
Clone: JES5-2A5
Isotype: Rat IgG1κ
Form: Purified
Host: Rat
Concentration: 0.5 mg/ml
Units on Hand: YES

References:

1. Hsu, S. C., et al., J. Allergy Clin. Immunol. 119(6): 1522-1528, 2007.
2. Nakano, T., et al., Surgery 141(4): 490-500, 2007.
3. Yang, D., et al., J. Clin. Invest. 116(7): 1913-1923, 2006.
4. Sander, B., I. et al., J. Immunol. Meth. 166:201-214.
5. Abrams, J.S., et al., Immunol. Rev. 127:5-24.
6. Mo, X.Y., et al., J. Virol. 69:1288-1291.

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Contact: Antagene, Inc. | Tel: 1 (866) 964-2589 | Fax: 1 (888) 225-1868 | Email: Info@antageneinc.com