



Category: Monoclonal Antibodies **Cat. #** mab-SF-C049 **Product Name:** mouse IL-7

Description:

Monoclonal mouse anti-mouse IL-7. Mouse IL-7 (also called Lymphopoietin 1, LP-1), a pre-B cell growth factor, is an ~25 kDa factor produced by bone marrow and thymic stromal cells, and spleen cells. IL-7 is a stromal cell-derived growth factor for progenitor B cells and T cells. The main population in the thymus responsive to IL-7 is CD4⁺CD8⁻. It also stimulates proliferation and differentiation of mature T cells and NK cells.

Immunogen:

E. coli derived recombinant mouse IL7.

Application:

Flow cytometry, IHC , ELISA, WB

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 detects mouse IL7 in ELISAs and Western blots.

Storage:

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

Size: 0.2 mg

Clone: M25

Isotype: IgG2b, κ

Host: Mouse

Form: Purified

Concentration: 0.5 mg/ml

Units on Hand: YES

References:

1. Rochman, Y., et al., Nat. Rev. Immunol. 9: 480-490, 2009.
2. Ma, A., et al., Annu. Rev. Immunol. 24: 657-679, 2006.
3. Parrish, Y. K., et al., J. Immunol. 182: 4255-4266, 2009.

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