

Product Data Sheet

Purified anti-mouse IL-3

Catalog # / Size: 503901 / 50 µg
503902 / 500 µg

Clone: MP2-8F8

Isotype: Rat IgG1, κ

Immunogen: COS-expressed, recombinant mouse IL-3

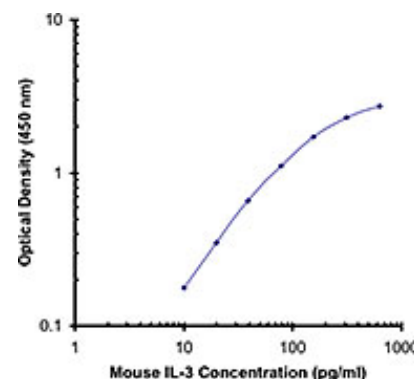
Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C.



Applications:

Applications: ELISA Capture - *Quality tested*
IP, IHC - *Reported in the literature*

Recommended Usage: Each lot of this antibody is quality control tested by ELISA assay. For ELISA capture applications, a concentration range of 0.5-2.0 µg/ml is recommended. To obtain a linear standard curve, serial dilutions of IL-3 recombinant protein ranging from 250 to 2 pg/ml are recommended for each ELISA plate. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: **ELISA or ELISPOT Capture^{1-5,8}:** The purified MP2-8F8 antibody is useful as the capture antibody in a sandwich ELISA or ELISPOT assay, when used in conjunction with the biotinylated MP2-43D11 antibody (Cat. No. 504002) as the detecting antibody. The LEAF™ purified antibody is suggested for ELISPOT capture.

Application References:

1. Abrams, J., *et al.* 1992. *Immunol. Rev.* 127:5.
2. Abrams, J., *et al.* 1988. *J. Immunol.* 140:131.
3. Cockayne, D., *et al.* 1991. *Growth Factors* 5:171.
4. Sander, B., *et al.* 1993. *J. Immunol. Meth.* 166:201.
5. Abrams, J. 1995. *Curr. Prot. Immunol.* John Wiley and Sons, New York. Unit 6.20.
6. Finkelman, F., *et al.* 1993. *J. Immunol.* 151:1235.
7. Andersson, U., *et al.* 1999. *Detection and quantification of gene expression.* New York:Springer-Verlag.
8. Karulin, A., *et al.* 2000. *J. Immunol.* 164:1862.

Description: IL-3 is a highly species-specific pleiotropic factor produced primarily by activated T cells though also by mast cells, keratinocytes, and astrocytes, which stimulates colony formation of megakaryocytes, neutrophils, and macrophages from bone marrow cultures. The MP2-8F8 antibody reacts with mouse interleukin-3 (IL-3). The MP2-8F8 antibody can neutralize the bioactivity of natural or recombinant IL-3.

Antigen References:

1. Fitzgerald, K., *et al.* Eds. 2001. *The Cytokine FactsBook.* Academic Press, San Diego.
2. Frendl, G., 1992. *Int. J. Immunopharmacol.* 14:421.
3. Ihle, J., 1992. *Chem. Immunology* 51:65.
4. Valen T, P., *et al.* 1990. *Blut* 61:338.

Related Products:	Product	Clone	Application
	Biotin anti-mouse IL-3	MP2-43D11	ELISA Detection, ELISPOT Detection
	Recombinant Mouse IL-3		BA, ELISA
	HRP Avidin	Avidin	ELISA, ELISPOT, IHC, WB
	TMB Substrate Reagent Set		ELISA
	ELISA Assay Diluent (5X)		ELISA



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