

# Product Data Sheet

## LEAF™ Purified anti-mouse IL-3

**Catalog # / Size:** 503906 / 500 µg

**Clone:** MP2-8F8

**Isotype:** Rat IgG1, κ

**Immunogen:** COS-expressed, recombinant mouse IL-3

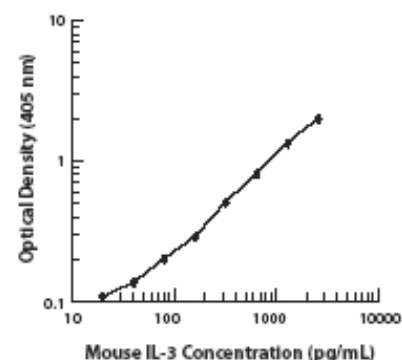
**Reactivity:** Mouse

**Preparation:** The LEAF™ (Low Endotoxin, Azide-Free) antibody was purified by affinity chromatography.

**Formulation:** 0.2 µm filtered in phosphate-buffered solution, pH 7.2, containing no preservative. Endotoxin level is <0.1 EU/µg of the protein (<0.01 ng/µg of the protein) as determined by the LAL test.

**Concentration:** 1.0 mg/ml

**Storage:** The antibody solution should be stored undiluted at 4°C. This LEAF™ solution contains no preservative; handle under aseptic conditions.



## Applications:

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

**Recommended Usage:** Each lot of this antibody is quality control tested by ELISA assay. For ELISPOT applications, a concentration range of 2-8 µg/ml is recommended. 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<sup>1-5,8</sup>:** 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. Frenzl, 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**  
Recombinant Mouse IL-3  
LEAF™ Purified Rat IgG1, κ Isotype Ctrl

### Clone

RTK2071

### Application

BA, ELISA  
FC, ICFC, WB, IP, ICC, IF,  
IHC, FA



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