

**APC anti-mouse IL-3**

**Catalog # / Size:** 3119540 / 100 µg  
3119535 / 25 µg

**Clone:** MP2-8F8

**Isotype:** Rat IgG1, κ

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

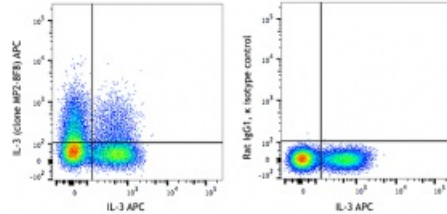
**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography and conjugated with APC under optimal conditions. The solution is free of unconjugated APC and unconjugated antibody.

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

**Workshop Number:** HCDM listed

**Concentration:** 0.2 mg/ml

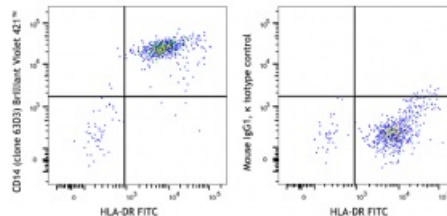


PMA+Ionomycin stimulated (six hours, in presence of brefeldin A) Th2-polarized C57BL/6 T cells were stained with surface CD4 PE/Cyanine7. Cells were fixed and permeabilized and then stained intracellularly with anti-mouse IL-3 (clone MP2-8F8) APC (left) or Rat IgG1, κ APC isotype control (right).

**Applications:**

**Applications:** Intracellular Flow Cytometry

**Recommended Usage:** Each lot of this antibody is quality control tested by intracellular immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤ 0.03 µg per million cells in 100 µl volume. 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 as the detecting antibody.

Human peripheral blood monocytes were stained with HLA-DR FITC and Brilliant Violet 421™ anti-human CD14 (clone 63D3) (left) or Brilliant Violet 421™ mouse IgG1, κ isotype control (right).

**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.
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**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.