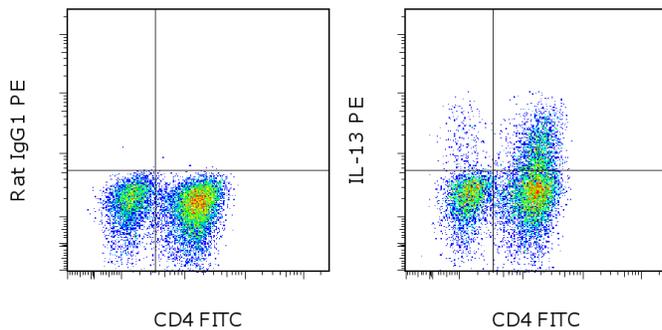


## Anti-Mouse IL-13 PE

**Catalog Number:** 12-7133

**Also known as:** Interleukin-13

**RUO: For Research Use Only. Not for use in diagnostic procedures.**



BALB/c splenocytes were stimulated for 3 days with plate-bound Anti-Mouse CD3e Functional Grade Purified (cat. 16-0031), soluble Anti-Mouse CD28 Functional Grade Purified (cat. 16-0281), Mouse IL-2 Recombinant Protein (cat. 14-8021), and Mouse IL-4 Recombinant Protein (cat. 14-8041). Cells were then restimulated with Cell Stimulation Cocktail (plus protein transport inhibitors) for 5 hours. Following restimulation, cells were fixed and permeabilized then stained with Anti-Mouse CD4 FITC (cat. 11-0042) and 0.125 ug of Rat IgG1 K Isotype Control PE (cat. 12-4301) or 0.125 ug of Anti-Mouse IL-13 PE. Viable cells, as determined by Fixable Viability Dye eFluor<sup>®</sup> 780, were used for analysis.

### Product Information

**Contents:** Anti-Mouse IL-13 PE  
**Catalog Number:** 12-7133  
**Clone:** eBio13A  
**Concentration:** ug size: 0.2 mg/mL; test size: 5 uL (0.125 ug)/test  
**Host/Isotype:** Rat IgG1, kappa

**Formulation:** aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer  
**Temperature Limitation:** Store at 2-8°C. Do not freeze. Light sensitive material.  
**Batch Code:** Refer to vial  
**Use By:** Refer to vial  
**Contains sodium azide**



### Description

The eBio13A antibody reacts with mouse IL-13. IL-13 is a cytokine produced mainly by Th2 cells, but also by antigen-primed CD8 T cells. IL-13 has a strong involvement in allergic inflammation and parasitic clearing and in cancer models has been shown to have either inhibitory or stimulatory activity depending on the tumor. In humans, IL-13 is found to play a role in isotype switching in B cells. IL-13 is implicating in down modulating macrophage activity, through the reduction of pro-inflammatory cytokines (IL-1, IL-6, IL-8, IL-10, IL-12)

### Applications Reported

The eBio13A antibody has been reported useful for ELISA and ELISPOT capture, as well as intracellular staining for flow cytometric analysis.

### Applications Tested

This eBio13A antibody is tested intracellular staining of cultured mouse splenocytes. It is offered in 2 formats:

-  $\mu$ g size: has been tested intracellular staining of cultured mouse splenocytes. This can be used at less than or equal to 0.25  $\mu$ g per test. A test is defined as the amount ( $\mu$ g) of antibody that will stain a cell sample in a final volume of 100  $\mu$ L. Cell number should be determined empirically but can range from  $10^5$  to  $10^8$  cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

- test size: has been pre-titrated and tested intracellular staining of cultured mouse splenocytes. This can be used at 5  $\mu$ L (0.125  $\mu$ g) per test. A test is defined as the amount ( $\mu$ g) of antibody that will stain a cell sample in a final volume of 100  $\mu$ L. Cell number should be determined empirically but can range from  $10^5$  to  $10^8$  cells/test.

### References

Halim TY, Krauss RH, Sun AC, Takei F. Lung natural helper cells are a critical source of Th2 cell-type cytokines in

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protease allergen-induced airway inflammation. *Immunity*. 2012 Mar 23;36(3):451-63. (**eBio13A**, FC, PubMed)

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Grunig G, Warnock M, Wakil AE, Venkayya R, Brombacher F, Rennick DM, Sheppard D, Mohrs M, Donaldson DD, Locksley RM, Corry DB. Requirement for IL-13 independently of IL-4 in experimental asthma. *Science*. 1998 Dec 18;282(5397):2261-3.

Doherty TM, Kastelein R, Menon S, Andrade S, Coffman RL. Modulation of murine macrophage function by IL-13. *J Immunol*. 1993 Dec 15;151(12):7151-60.

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### Related Products

00-4975 Cell Stimulation Cocktail (plus protein transport inhibitors) (500X)  
11-0042 Anti-Mouse CD4 FITC (RM4-5)  
12-4301 Rat IgG1 K Isotype Control PE  
14-8021 Mouse IL-2 Recombinant Protein  
14-8041 Mouse IL-4 Recombinant Protein  
14-8131 Mouse IL-13 Recombinant Protein  
16-0031 Anti-Mouse CD3e Functional Grade Purified (145-2C11)  
16-0281 Anti-Mouse CD28 Functional Grade Purified (37.51)  
65-0865 Fixable Viability Dye eFluor® 780  
88-8824 Intracellular Fixation & Permeabilization Buffer Set

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