

# IL-13 Monoclonal Antibody (eBio13A), PE, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse, Human
Host/Isotype	Rat / IgG1, kappa
Recommended Isotype Control	Rat IgG1 kappa Isotype Control (eBRG1), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eBio13A
Conjugate	PE
Excitation/Emission Max	565/576 nm
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_763559

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.25 µg/test	68 Publications

## Product Specific Information

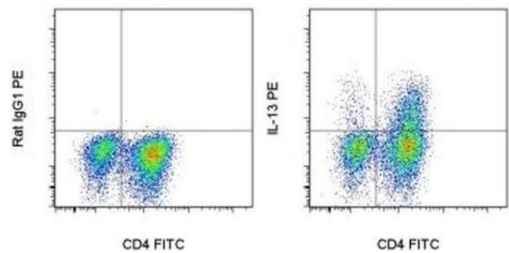
**Description:** The eBio13A antibody reacts with mouse IL-13. IL-13 is a cytokine produced mainly by Th2 cells, but also by antigen-primed CD8 T cells. IL-13 has a strong involvement in allergic inflammation and parasitic clearing and in cancer models has been shown to have either inhibitory or stimulatory 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:** Has been tested intracellular staining of cultured mouse splenocytes. This can be used at less than or equal to 0.25 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

**Excitation:** 488-561 nm; **Emission:** 578 nm; **Laser:** Blue Laser, Green Laser, Yellow-Green Laser.

**Filtration:** 0.2 µm post-manufacturing filtered.



IL-13 Antibody (12-7133-82) in Flow

BALB/c splenocytes were stimulated for 3 days with plate-bound Anti-Mouse CD3e Functional Grade Purified (Product # 16-0031-82), soluble Anti-Mouse CD28 Functional Grade Purified (Product # 16-0281-82), Mouse IL-2 Recombinant Protein (Product # 14-8021-64), and Mouse IL-4 Recombinant Protein (Product # 14-8041-80). 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 (Product # 11-0042-82) and 0.125 µg of Rat IgG1 K Isotype Control PE (Product # 12-4301-82) or 0.125 µg of Anti-Mouse IL-13 PE. Viable cells, as determined by Fixable Viability Dye eFluor® 780, were used for analysis.

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68 References

Flow Cytometry (68)

<p>British journal of pharmacology</p> <p><b>Calcaratarin D, a labdane diterpenoid, attenuates mouse asthma via modulating alveolar macrophage function.</b></p> <p>"Published figure using IL-13 monoclonal antibody (Product # 12-7133-82) in Flow Cytometry"</p> <p>Authors: Liao W,Foo HYC,Tran TNQ,Chai CLL,Wong WSF</p>	<p>Year 2023</p>
<p>Nature communications</p> <p><b>Fibroblastic reticular cells in lymph node potentiate white adipose tissue beiging through neuro-immune crosstalk in male mice.</b></p> <p>"Published figure using IL-13 monoclonal antibody (Product # 12-7133-82) in Flow Cytometry"</p> <p>Authors: Cheong LY,Wang B,Wang Q,Jin L,Kwok KHM,Wu X,Shu L,Lin H,Chung SK,Cheng KKY,Hoo RLC,Xu A</p>	<p>Year 2023</p>

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