

IL-13 Monoclonal Antibody (eBio13A), eFluor 450, 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), eFluor 450, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eBio13A
Conjugate	eFluor® 450
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_11219690

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	1 µg/test	16 Publications
Neutralization (Neu)	-	1 Publication

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: This eBio13A antibody has been reported for use in intracellular staining followed by flow cytometric analysis.

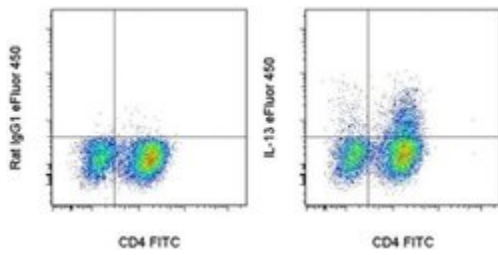
Applications Tested: This eBio13A antibody has been tested by intracellular staining and flow cytometric analysis of Th2-polarized mouse splenocytes. This can be used at less than or equal to 1 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

eFluor® 450 is an alternative to Pacific Blue®. eFluor® 450 emits at 445 nm and is excited with the Violet laser (405 nm). Please make sure that your instrument is capable of detecting this fluorochoime.

Excitation: 405 nm; Emission: 445 nm; Laser: Violet Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For IL-13 Monoclonal Antibody (eBio13A), eFluor 450, eBioscience™



IL-13 Antibody (48-7133-82) 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 and then stained with Anti-Mouse CD4 FITC (Product # 11-0042-82) and 0.5 µg of Rat IgG1 K Isotype Control eFluor® 450 (Product # 48-4301-82) (left) or 0.5 µg of Anti-Mouse IL-13 eFluor® 450 (right). Viable cells, as determined by Fixable Viability Dye eFluor® 780, were used for analysis.

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17 References

Flow Cytometry (16)

Cell reports

Airway Microbiota-Host Interactions Regulate Secretory Leukocyte Protease Inhibitor Levels and Influence Allergic Airway Inflammation.

"48-7133 was used in Flow cytometry/Cell sorting to investigate how chronic colonization impacts mucosal immunity and the development of allergic airway inflammation (AAI)."

Authors: Jaeger N,McDonough RT,Rosen AL,Hernandez-Leyva A,Wilson NG,Lint MA,Russler-Germain EV,Chai JN,Bacharier LB,Hsieh CS,Kau AL

Species
Mouse

Dilution
Not Cited

Year
2020

Nature communications

Arf1-mediated lipid metabolism sustains cancer cells and its ablation induces anti-tumor immune responses in mice.

"Published figure using IL-13 monoclonal antibody (Product # 48-7133-82) in Flow Cytometry"

Authors: Wang G,Xu J,Zhao J,Yin W,Liu D,Chen W,Hou SX

Species
Not Applicable

Dilution
Not Cited

Year
2020

[View more Flow references on thermofisher.com](#)

Neutralization (1)

Nature communications

Bacterial colonization dampens influenza-mediated acute lung injury via induction of M2 alveolar macrophages.

"Published figure using IL-13 monoclonal antibody (Product # 48-7133-82) in Neutralization"

Authors: Wang J,Li F,Sun R,Gao X,Wei H,Li LJ,Tian Z

Species
Not Applicable

Dilution
Not Cited

Year
2013

More applications with references on thermofisher.com

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