

IL-13 Monoclonal Antibody (eBio13A), eFluor 660, eBioscience™

Product Details	
Size	100 µg
Species	Mouse
Published Species	Artificial Control, Mouse, Human
Expression System	Rat / IgG1, kappa
Recommended Isotype Control	Rat IgG1 kappa Isotype Control (eBRG1), eFluor 660, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eBio13A
Conjugate	eFluor® 660
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_2574279

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.25 µg/test	18 Publications
Neutralization (Neu)	-	2 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: This eBio13A antibody has been reported for use in intracellular staining followed by flow cytometric analysis.

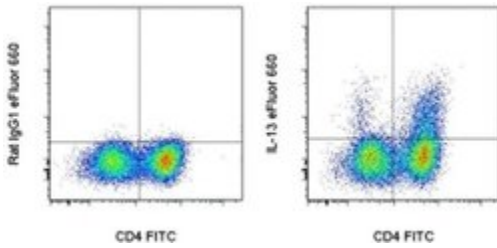
Applications Tested: This eBio13A antibody has been tested by intracellular staining and flow cytometric analysis of Th2 polarized mouse splenocytes. This can be used at less than or equal to 0.25 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

eFluor® 660 is a replacement for Alexa Fluor® 647. eFluor® 660 emits at 659 nm and is excited with the red laser (633 nm). Please make sure that your instrument is capable of detecting this fluorochrome.

Excitation: 633-647 nm; Emission: 668 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For IL-13 Monoclonal Antibody (eBio13A), eFluor 660, eBioscience™



IL-13 Antibody (50-7133-82) in Flow

BALB/c splenocytes were polarized under Th2 conditions for 3 days and then restimulated with Cell Stimulation Cocktail (plus protein transport inhibitors) for 5 hours. Following restimulation, cells were fixed and permeabilized and then intracellularly stained with Anti-Mouse CD4 FITC (Product # 11-0042-82) and 0.125 µg of Rat IgG1 K Isotype Control eFluor® 660 (Product # 50-4301-82) (left) or 0.125 µg of Anti-Mouse IL-13 eFluor® 660 (right). Total viable cells, as determined by Fixable Viability Dye eFluor® 450 (Product # 65-0863-14), were used for analysis.

[View more figures on thermofisher.com](http://thermofisher.com)

Flow Cytometry (18)

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 # 50-7133-82) 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

Nature communications

Costimulation of type-2 innate lymphoid cells by GITR promotes effector function and ameliorates type 2 diabetes.

"Published figure using IL-13 monoclonal antibody (Product # 50-7133-82) in Flow Cytometry"

Authors: Galle-Treger L,Sankaranarayanan I,Hurrell BP,Howard E,Lo R,Maazi H,Lewis G,Banie H,Epstein AL,Hu P,Rehan VK,Gilliland FD,Allayee H,Soroosh P,Sharpe AH,Akbari O

Species
Artificial Control

Dilution
Not Cited

Year
2019

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

Neutralization (2)

Nature communications

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

"Published figure using IL-13 monoclonal antibody (Product # 50-7133-82) in Neutralization"

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

Species
Not Applicable

Dilution
Not Cited

Year
2013

Molecular carcinogenesis

Astrocyte elevated gene-1 interacts with -catenin and increases migration and invasion of colorectal carcinoma.

"Published figure using IL-13 monoclonal antibody (Product # 50-7133-82) in Neutralization"

Authors: Zhang F,Yang Q,Meng F,Shi H,Li H,Liang Y,Han A

Species
Not Applicable

Dilution
Not Cited

Year
2013

More applications with references on thermofisher.com

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