

IL-13 Monoclonal Antibody (eBio13A), APC-eFluor™ 780, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Rat / IgG1, kappa
Recommended Isotype Control	Rat IgG1 kappa Isotype Control (eBRG1), APC-eFluor™ 780, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eBio13A
Conjugate	APC-eFluor™ 780
Excitation/Emission Max	756/785 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_2716964

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	1 Publication
Flow Cytometry (Flow)	0.125 µg/test	12 Publications
ELISA (ELISA)	-	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. In cancer models it 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 0.125 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.

APC-eFluor™ 780 emits at 780 nm and is excited with the Red laser (633 nm). Please make sure that your instrument is

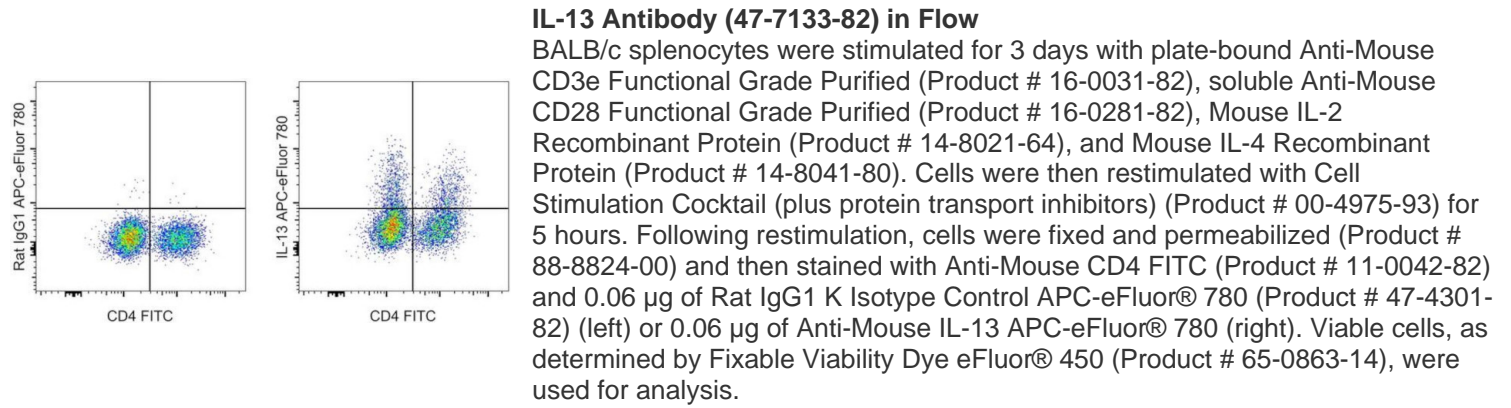
capable of detecting this fluorochrome.

Light sensitivity: This tandem dye is sensitive to photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (Product # 00-8222) (100 µL of cell sample + 100 µL of IC Fixation Buffer) or 1-step Fix/Lyse Solution (Product # 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency/compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

Excitation: 633-647 nm; **Emission:** 780 nm; **Laser:** Red Laser

Product Images For IL-13 Monoclonal Antibody (eBio13A), APC-eFluor™ 780, eBioscience™



[View more figures on thermofisher.cn](https://thermofisher.cn)

Immunohistochemistry (1)

Frontiers in immunology

Gut Microbial Metabolite Pravastatin Attenuates Intestinal Ischemia /Reperfusion Injury Through Promoting IL-13 Release From Type II Innate Lymphoid Cells *via* IL-33/ST2 Signaling.

"Published figure using IL-13 monoclonal antibody (Product # 47-7133-82) in Flow Cytometry"

Authors: Deng F,Hu JJ,Yang X,Sun QS,Lin ZB,Zhao BC,Yao ZW,Luo SD,Chen ZL,Liu Y,Yan ZZ,Li C,Liu WF,Liu KX

Year
2021

Flow Cytometry (12)

British journal of pharmacology

Calcaratarin D, a labdane diterpenoid, attenuates mouse asthma via modulating alveolar macrophage function.

"Published figure using IL-13 monoclonal antibody (Product # 47-7133-82) in Flow Cytometry"

Authors: Liao W,Foo HYC,Tran TNQ,Chai CLL,Wong WSF

Year
2023

Nature communications

Fibroblastic reticular cells in lymph node potentiate white adipose tissue beiging through neuro-immune crosstalk in male mice.

"Published figure using IL-13 monoclonal antibody (Product # 47-7133-82) in Flow Cytometry"

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

Year
2023

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

ELISA (1)

iScience

Synergistic effect of non-neutralizing antibodies and interferon- for cross-protection against influenza.

"Published figure using IL-13 monoclonal antibody (Product # 47-7133-82) in ELISA"

Authors: Shibuya M,Tamiya S,Kawai A,Hirai T,Cragg MS,Yoshioka Y

Year
2021

More applications with references on thermofisher.cn

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON-INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.