IL-13 Monoclonal Antibody (eBio13A), eBioscience™

Product Details	
Size	50 µg
Species Reactivity	Mouse
Published Species	Mouse, Human
Host/Isotype	Rat / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	eBio13A
Conjugate	Unconjugated
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_763553

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	1 Publication
Flow Cytometry (Flow)	-	48 Publications
ELISA (ELISA)	1-4 µg/mL	10 Publications
Neutralization (Neu)	-	1 Publication
Functional Assay (FN)	-	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: The eBio13A antibody has been reported useful for ELISA and ELISPOT capture, as well as intracellular staining for flow cytometric analysis.

Applications Tested: The eBio13A antibody has been tested as the capture antibody in a sandwich ELISA (and ELISPOT) for analysis of mouse IL-13, in combination with the biotinylated eBio1316H antibody for detection (13-7135) and recombinant mouse IL-13 (14-8131) as the standard. A suitable range of concentrations of this antibody for ELISA capture is 1.0 - 4.0 µg /mL. A standard curve consisting of doubling dilutions of the recombinant standard over the range of 1000 pg/mL - 8.0 pg/mL should be included in each ELISA plate.

The Functional Grade Purified eBio1316H antibody (16-7135) is recommended for in vitro blocking studies.

Purity: Greater than 90%, as determined by SDS-PAGE.

Aggregation: Less than 10%, as determined by HPLC.

Filtration: 0.2 µm post-manufacturing filtered.

61 References

Immunohistochemistry (1)

Frontiers in immunology

Year
2021

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 # 14-7133-81) in Immunohistochemistry"

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

Flow Cytometry (48)

British journal of pharmacology

Year
2023

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

"Published figure using IL-13 monoclonal antibody (Product # 14-7133-81) in Flow Cytometry"

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

Nature communications

Year
2023

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 # 14-7133-81) 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

View more Flow references on thermofisher.com

ELISA (10)

iScience

Year
2021

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

"Published figure using IL-13 monoclonal antibody (Product # 14-7133-81) in ELISA"

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

View more ELISA references on thermofisher.com

More applications with references on thermofisher.com

Neu (1) **FN (1)**

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