

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
Flow Cytometry (Flow)	-	28 Publications
ELISA (ELISA)	1-4 µg/mL	9 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.

Flow Cytometry (28)

Frontiers in immunology

Chronic Liver Disease in Humans Causes Expansion and Differentiation of Liver Lymphatic Endothelial Cells.

"14-7133 was used in Flow cytometry/Cell sorting to demonstrate that chronic liver disease increases the abundance of lymphatic vessels, a trait correlated with areas of fibrosis and immune cell infiltration."

Authors: Tamburini BAJ, Finlon JM, Gillen AE, Kriss MS, Riemondy KA, Fu R, Schuyler RP, Hesselberth JR, Rosen HR, Burchill MA

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 # 14-7133-81) 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](#)

ELISA (9)

Cell reports

T Cell-Intrinsic IRF5 Regulates T Cell Signaling, Migration, and Differentiation and Promotes Intestinal Inflammation.

"14-7133 was used in an ELISA assay to identify a previously undefined key role for T cell-intrinsic IRF5. In mice, IRF5 in CD4+ T cells promotes Th1- and Th17-associated cytokines and decreases Th2-associated cytokines."

Authors: Yan J, Pandey SP, Barnes BJ, Turner JR, Abraham C

Species
Mouse

Dilution
Not Cited

Year
2020

Clinical and experimental allergy : journal of the British Society for Allergy and Clinical Immunology

IgE promotes type 2 innate lymphoid cells in murine food allergy.

"14-7133 was used in an ELISA assay to determine the effect of IgE mediated mast cell activation on intestinal ILC3 responses following ingestion of food allergens."

Authors: Burton OT, Medina Tamayo J, Stranks AJ, Miller S, Koleoglou KJ, Weinberg EO, Oettgen HC

Species
Mouse

Dilution
Not Cited

Year
2018

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

More applications with references on thermofisher.com

Neu (1) FN (1)

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.