

IL-13 Monoclonal Antibody (eBio13A), PE, 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), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eBio13A
Conjugate	PE
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_763559

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.25 µg/test	50 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)

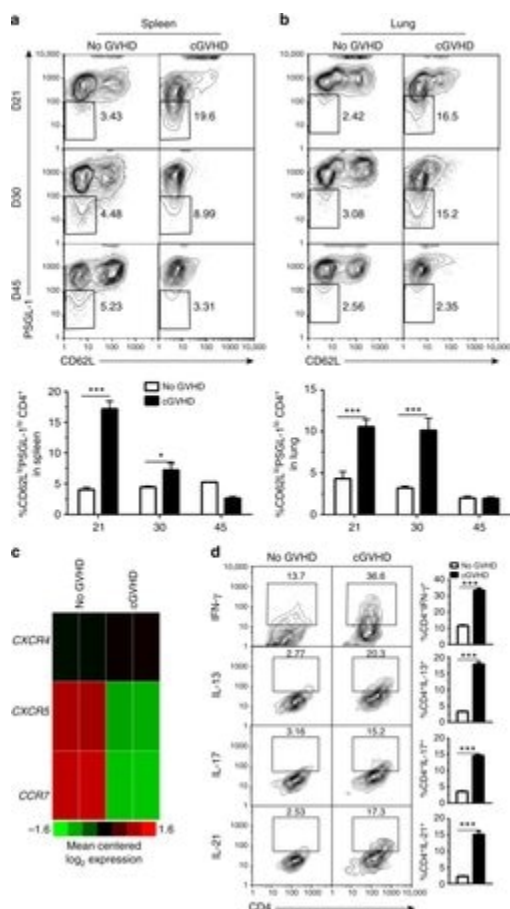
Applications Reported: The eBio13A antibody has been reported useful for ELISA and ELISPOT capture, as well as intracellular staining for flow cytometric analysis.

Applications Tested: This eBio13A antibody is tested intracellular staining of cultured mouse splenocytes. It is offered in 2 formats:
 - µg size: has been tested intracellular staining of cultured 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.
 - test size: has been pre-titrated and tested intracellular staining of cultured mouse splenocytes. This can be used at 5 µL (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.

Excitation: 488-561 nm; Emission: 578 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

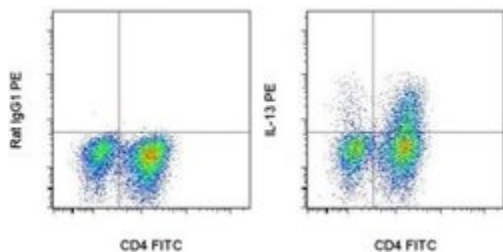
Advanced Verification Data



IL-13 Antibody (12-7133-82)

Fig. 3 cGVHD is associated with expansion of PSGL-1 lo CD4 + T cells. BALB/c recipients were irradiated (850 cGy) and given 2.5×10^6 TCD-BM or 2.5×10^6 TCD-BM plus 1×10^6 splenocytes from C57BL/6 donors. a, b Twenty-one, 30, and 45 days after HCT, spleen and lung were harvested. Splenocytes and mononuclear cells isolated from lung were stained for CD4, CD44, PSGL-1, and CD62L. Gated CD4 + CD44 hi are shown as PSGL-1 versus CD62L. PSGL-1 low and CD62L low cells were gated as extrafollicular CD4 + T cells. Percentages of PSGL-1 lo CD62L lo cells among CD4 + CD44 hi cells are shown as mean \pm SE (n = 8). c Twenty-one days after HCT, splenocytes from no-GVHD or cGVHD recipients given wild-type C57BL/6 transplants were harvested and stained for CD4, CD44, PSGL-1, and CD62L. CD44 hi CD62L lo PSGL-1 lo CD4 + T cells were sorted and used for RNA isolation and RNA-Seq microarray analysis. Heat maps of RNA expression of CXCR4, CXCR5, and CCR7 are shown as mean centered log₂ expression. RNA-Seq microarray measurements were performed on duplicate samples from no-GVHD group and cGVHD group. Each sample represents splenocytes from eight recipients. d Twenty-one days after HCT, sorted CD4 + CD44 hi PSGL-1 lo CD62L lo cells were stimulated with PMA and ionomycin for 24 h. Stimulated cells were stained and are shown as CD4 versus IFN-gamma, IL-13, IL-17, or IL-21. Percentages of CD4 + IFN-gamma +, CD4 + IL-13 +, CD4 + IL-17 +, or CD4 + IL-21 + cells among CD4 + T cells are shown a Cell treatment validation info.

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



IL-13 Antibody (12-7133-82) 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 then stained with Anti-Mouse CD4 FITC (Product # 11-0042-82) and 0.125 µg of Rat IgG1 K Isotype Control PE (Product # 12-4301-82) or 0.125 µg of Anti-Mouse IL-13 PE. Viable cells, as determined by Fixable Viability Dye eFluor® 780, were used for analysis.

View more figures on thermofisher.com

Flow Cytometry (50)

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 # 12-7133-82) 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

Frontiers in immunology

Nematode-Infected Mice Acquire Resistance to Subsequent Infection With Unrelated Nematode by Inducing Highly Responsive Group 2 Innate Lymphoid Cells in the Lung.

"12-7133 was used in Flow cytometry/Cell sorting to demonstrate that Strongyloides venezuelensis-experienced mice become significantly resistant against infection by Nippostrongylus brasiliensis."

Authors: Yasuda K,Adachi T,Koida A,Nakanishi K

Species
Mouse

Dilution
Not Cited

Year
2019

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

More applications with references on thermofisher.com

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.