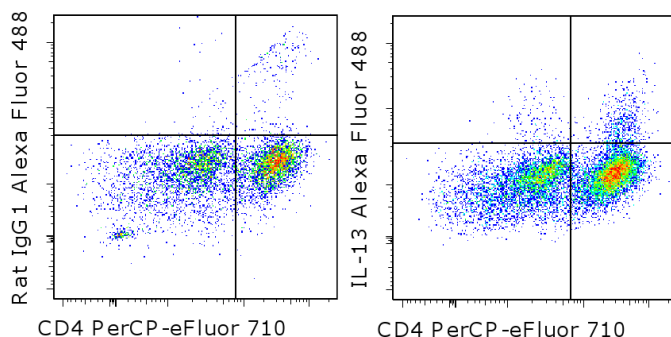


Anti-Mouse IL-13 Alexa Fluor® 488

Catalog Number: 53-7133

Also known as: Interleukin-13, IL13

RUO: For Research Use Only. Not for use in diagnostic procedures.



Intracellular staining of Th2-polarized and restimulated CD4⁺ splenocytes with Anti-Mouse CD4 PerCP-eFluor® 710 (cat. 46-0042) and 0.125 ug of Rat IgG1 K Isotype Control Alexa Fluor® 488 (cat. 53-4301) (left) or 0.125 ug of Anti-Mouse IL-13 Alexa Fluor® 488 (right).

Product Information

Contents: Anti-Mouse IL-13 Alexa Fluor® 488

Catalog Number: 53-7133

Clone: eBio13A

Concentration: 0.5 mg/mL

Host/Isotype: Rat IgG1, kappa

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

Temperature Limitation: Store at 2-8°C. Do not freeze. Light sensitive material.

Batch Code: Refer to vial

Use By: Refer to vial

Contains sodium azide

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 CD4 cells. This can be used at less than or equal to 0.25 µg per test. A test is defined as the amount (ug) 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.

References

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Doherty TM, Kastelein R, Menon S, Andrade S, Coffman RL. Modulation of murine macrophage function by IL-13. J Immunol. 1993 Dec 15;151(12):7151-60.

McKenzie AN, Li X, Largaespada DA, Sato A, Kaneda A, Zurawski SM, Doyle EL, Milatovich A, Francke U, Copeland NG, et al. Structural comparison and chromosomal localization of the human and mouse IL-13 genes. J Immunol. 1993 Jun 15;150(12):5436-44.

Related Products

00-4975 Cell Stimulation Cocktail (plus protein transport inhibitors) (500X)

46-0042 Anti-Mouse CD4 PerCP-eFluor® 710 (RM4-5)

53-4301 Rat IgG1 K Isotype Control Alexa Fluor® 488

88-8824 Intracellular Fixation & Permeabilization Buffer Set

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