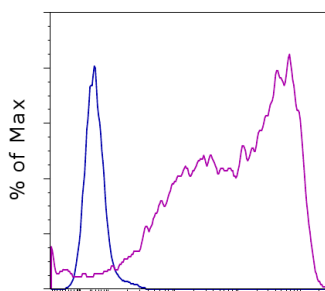


Anti-Human TSLP Receptor PerCP-eFluor® 710

Catalog Number: 46-5499

Also known as: CRLF-2, thymic stromal derived lymphopoietin receptor

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



TSLPR PerCP-eFluor 710

Staining of human TSLP Receptor transfected cells with Mouse IgG2a K Isotype Control PerCP-eFluor® 710 (cat. 46-4724) (blue histogram) or Anti-Human TSLP Receptor PerCP-eFluor® 710 (purple histogram). Total viable cells were used for analysis.

Product Information

Contents: Anti-Human TSLP Receptor
PerCP-eFluor® 710



Catalog Number: 46-5499

Clone: eBio1A6 (1A6)

Concentration: 5 uL (0.125 ug)/test

Host/Isotype: Mouse IgG2a lambda



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

Description

The eBio1A6 monoclonal antibody reacts with human thymic stromal-derived lymphopoietin receptor (TSLPR). TSLPR is an approximately 50 kDa protein with significant similarity to the common gamma-chain. TSLPR complexes with IL-7R alpha (CD127) to form the high affinity receptor that binds thymic stromal-derived lymphopoietin (TSLP). Human TSLPR is expressed by monocytes and CD11c+ dendritic cells, and TSLP binding induces the expression of the Th2 cell-attracting chemokines CCL17 and CCL22. Furthermore, the TSLPR-induced activation of dendritic cells indirectly results in the increased secretion of Th cytokines IL-4, -5 and -13, which may be necessary for the regulation of CD4+ T cell homeostasis. In mice, deficiency of TSLPR has no effect on lymphocyte numbers, whereas double deficiency of TSLPR and common gamma-chain results in fewer lymphocytes than seen in mice deficient in the common gamma-chain alone. The eBio1A6 monoclonal antibody is able to cross-block binding of another anti-human TSLPR monoclonal antibody, 1D8.

Applications Reported

This eBio1A6 (1A6) antibody has been reported for use in flow cytometric analysis.

Applications Tested

This eBio1A6 (1A6) antibody has been pre-titrated and tested by flow cytometric analysis of TSLPR transfected cells. 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.

PerCP-eFluor® 710 can be used in place of PE-Cy5, PE-Cy5.5 or PerCP-Cy5.5. PerCP-eFluor® 710 emits at 710 nm and is excited with the blue laser (488 nm). Please make sure that your instrument is capable of detecting this fluorochrome. For a filter configuration, we recommend using the 685 LP dichroic mirror and 710/40 band pass filter, however the 695/40 band pass filter is an acceptable alternative.

Our testing indicates that PerCP-eFluor® 710 conjugated antibodies are stable when stained samples are exposed to freshly prepared 2% formaldehyde overnight at 4°C, but please evaluate for alternative fixation protocols.

Not for further distribution without written consent.

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Click [here](#) or contact eBioscience Technical Support for more information on eFluor™ Organic Dyes including PerCP-eFluor® 710.

References

Reche PA, Soumelis V, Gorman DM, Clifford T, Liu Mr, Travis M, Zurawski SM, Johnston J, Liu YJ, Spits H, de Waal Malefyt R, Kastelein RA, Bazan JF. Human thymic stromal lymphopoietin preferentially stimulates myeloid cells. J Immunol. 2001 Jul 1;167(1):336-43.

Soumelis V, Reche PA, Kanzler H, Yuan W, Edward G, Homey B, Gilliet M, Ho S, Antonenko S, Lauerma A, Smith K, Gorman D, Zurawski S, Abrams J, Menon S, McClanahan T, de Waal-Malefyt Rd R, Bazan F, Kastelein RA, Liu YJ. Human epithelial cells trigger dendritic cell mediated allergic inflammation by producing TSLP. Nat Immunol. 2002 Jul;3(7):673-80.

Related Products

46-4724 Mouse IgG2a K Isotype Control PerCP-eFluor® 710