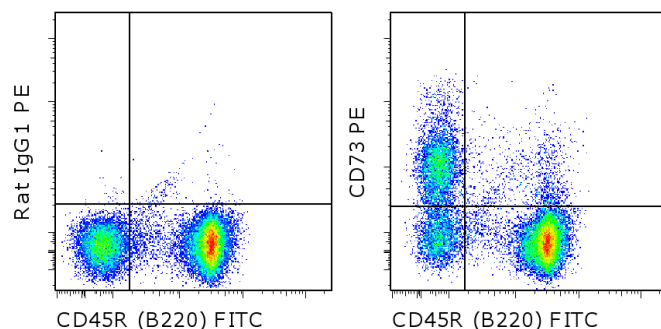


Anti-Mouse CD73 PE

Catalog Number: 12-0731

Also known as: Ecto-5'-nucleotidase, NT5E

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



Staining of C57BL/6 splenocytes with Anti-Human/Mouse CD45R (B220) FITC (cat. 11-0452) and 0.06 ug of Rat IgG1 Isotype Control PE (cat. 12-4301) (left) or 0.06 ug of Anti-Mouse CD73 PE (right). Total viable cells were used for analysis.

Product Information



Contents: Anti-Mouse CD73 PE

Catalog Number: 12-0731

Clone: eBioTY/11.8 (TY/11.8)

Concentration: 0.2 mg/mL

Host/Isotype: Rat IgG1



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

Caution, contains Azide

Description

eBioTY/11.8 recognizes the with CD73 a 69-kDa GPI-anchored cell-surface protein with ecto-5'-nucleotidase activity. Expression on myeloid cells (CD11b) is restricted to the bone marrow. In human CD73 can be induced to secrete a soluble form with IL-2 suggesting a role in mediating activation signals. Differences between human and mouse CD73 have been reported. BALB/c mice have more CD4+CD73+ than CD8+CD73+ while the reciprocal is documented in humans.

CD73 is expressed on a subset of lymphocytes and increases during lymphocyte maturation. Recently it has been found that memory CD4 T cells express and are similar to the uncommitted primed precursor helper cells (Thpp) that can differentiate into Th1 or Th2 cells. Furthermore CD73 has been found on regulatory T cells.

Applications Reported

This eBioTY/11.8 (TY/11.8) antibody has been reported for use in flow cytometric analysis.

Applications Tested

This eBioTY/11.8 (TY/11.8) antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 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. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

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Yamashita Y, Hooker SW, Jiang H, Laurent AB, Resta R, Khare K, Coe A, Kincade PW, Thompson LF. CD73 expression and fyn-dependent signaling on murine lymphocytes. Eur J Immunol. 1998 Oct;28(10):2981-90.

Yang L, Kobie JJ, Mosmann TR. CD73 and Ly-6A/E distinguish in vivo primed but uncommitted mouse CD4 T cells from type 1 or type 2 effector cells. J Immunol. 2005 Nov 15;175(10):6458-64.

Related Products

11-0452 Anti-Human/Mouse CD45R (B220) FITC (RA3-6B2)

12-4301 Rat IgG1 K Isotype Control PE