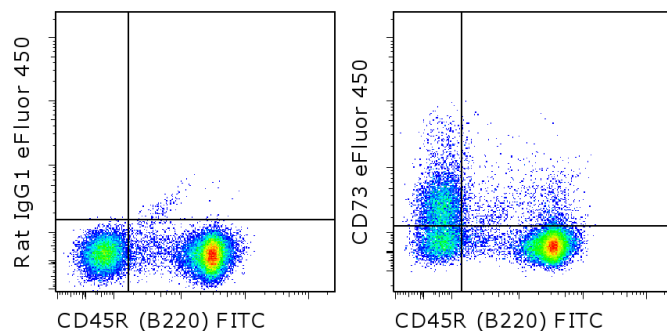


Anti-Mouse CD73 eFluor® 450

Catalog Number: 48-0731

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

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



Staining of BALB/c splenocytes with Anti-Mouse CD4 FITC (cat. 11-0041) and 0.06 ug of Rat IgG1 K Isotype Control eFluor® 450 (cat. 48-4301) (left) or 0.06 ug of Anti-Mouse CD73 eFluor® 450 (right). Total viable cells were used for analysis.

Product Information



Contents: Anti-Mouse CD73 eFluor® 450

Catalog Number: 48-0731

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.

eFluor® 450 is a replacement for Pacific Blue®. eFluor® 450 emits at 456 nm and is excited with the Violet laser (405 nm). Please make sure that your instrument is capable of detecting this fluorochrome.

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 0.06 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.

eFluor™ 450 is a replacement for Pacific Blue®. eFluor™ 450 emits at 456 nm and is excited with the Violet laser (405 nm). Please make sure that your instrument is capable of detecting this fluorochrome.

References

Eliopoulos N, Stagg J, Lejeune L, Pommey S, Galipeau J. Allogeneic marrow stromal cells are immune rejected by

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Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.ebioscience.com •
info@ebioscience.com

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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

11-0041 Anti-Mouse CD4 FITC (GK1.5)

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

48-4301 Rat IgG1 K Isotype Control eFluor® 450