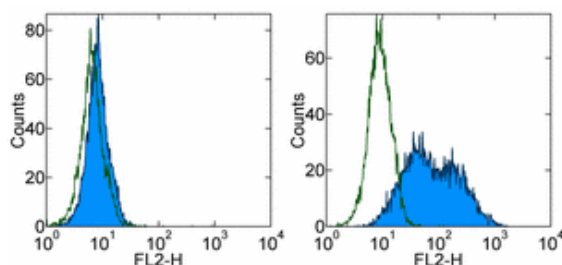


Anti-Mouse CD276 (B7-H3) Purified

Catalog Number: 14-5973

Also Known As: B7RP-2, B7RP2, B7H3

RUO: For Research Use Only



Staining of non-transfected (left) and mouse B7-H3 transfected (right) 293T cells with 0.25 µg of Rat IgG2a κ Isotype Control Purified (cat. 14-4321) (open histogram) or 0.25 µg of Anti-Mouse CD276 (B7-H3) Purified (filled histogram) followed by Anti-Rat IgG Biotin (cat. 13-4813) and Streptavidin PE (cat. 12-4317). Total cells were used for analysis.

Product Information

Contents: Anti-Mouse CD276 (B7-H3) Purified

REF Catalog Number: 14-5973

Clone: M3.2D7

Concentration: 0.5 mg/ml

Host/Isotype: Rat IgG2a

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



Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to Vial



Use By: Refer to Vial



Caution, contains Azide

Description

The M3.2D7 monoclonal antibody was generated against and reacts with mouse B7-H3, a member of the B7 family of the Ig superfamily proteins. B7-H3 is reported to be expressed by antigen presenting cells and developing bone during embryogenesis. The ligand for B7-H3 has not yet been identified and it is thought that B7-H3 down-regulates T cell functions by engaging an unknown counter receptor on T cells. M3.2D7 stains mouse B7-H3 transfected cells and not mouse spleen cells. M3.2D7 also stains human B7-H3 transfected cells.

Applications Reported

The M3.2D7 antibody has been reported for use in flow cytometric analysis.

Applications Tested

The M3.2D7 antibody has been tested by flow cytometric analysis of mB7-H3 transfected cells. This can be used at less than or equal to 0.5 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

Chen Y, Yang C, et al. 2007. Terminal complement complex C5b-9-treated human monocyte-derived dendritic cells undergo maturation and induce Th1 polarization. *Eur J Immunol.* 37(1):167-76. (human FC, PubMed)

Chen Y, Yang C, et al. 2007. Sinomenine promotes differentiation but impedes maturation and co-stimulatory molecule expression of human monocyte-derived dendritic cells. *Int Immunopharmacol.* 7(8):1102-10. (human FC, PubMed)

Nakae S, Iwakura Y, et al. 2007. Phenotypic differences between Th1 and Th17 cells and negative regulation of Th1 cell differentiation by IL-17. *J Leukoc Biol.* 81(5):1258-68. (mouse FC, PubMed)

Related Products

11-4317 Streptavidin FITC

12-4317 Streptavidin PE

14-4321 Rat IgG2a K Isotype Control Purified

17-4317 Streptavidin APC

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