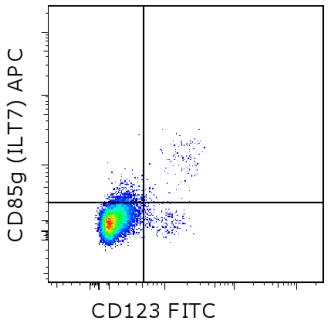
Anti-Human CD85g (ILT7) APC

Catalog Number: 17-5179
RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of normal human peripheral blood cells with Anti-Human CD123 FITC (cat. 11-1239) and Anti-Human CD85g (ILT7) APC. Cells in the monocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD85g (ILT7) APC
REF **Catalog Number:** 17-5179
Clone: eBio17G10.2 (17G10.2)
Concentration: 5 uL (0.25 ug)/test
Host/Isotype: Mouse 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.
LOT **Batch Code:** Refer to vial
Use By: Refer to vial

Description

The eBio17G10.2 monoclonal antibody reacts with human immunoglobulin-like transcript 7 (ILT7), also known as CD85g. ILT7 is part of the leukocyte immunoglobulin-like receptor (LIR) gene family and associates with FcεR1γ to form a functional complex which transduces ITAM-mediated signals that negatively modulates TLR-induced type I IFN production by human plasmacytoid dendritic cells. ILT7 is expressed exclusively on plasmacytoid dendritic cells and is absent in monocyte derived DCs. Treatment with IL-3 or CpG causes a decrease in expression.

Double staining of human PBMCs with eBio17G10.2 and anti-pDC marker BDCA2 yields virtually complete co-staining. Cross linking of ILT7 with eBio17G10.2 antibody causes reduced transcription of IFN-α1, IFN-α2, IFN-α4 and IFN-β.

Applications Reported

This eBio17G10.2 (17G10.2) antibody has been reported for use in flow cytometric analysis.

Applications Tested

This eBio17G10.2 (17G10.2) antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.25 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 10^5 to 10^8 cells/test.

References

Cao, W., et al. 2006. Plasmacytoid dendritic cell–specific receptor ILT7–FcRI inhibits Toll-like receptor–induced interferon production. J. Exp. Med. 203: 1399-1405.

Ju XS, Hacker C, Scherer B, Redecke V, Berger T, Schuler G, Wagner H, Lipford GB, Zenke M. Immunoglobulin-like transcripts ILT2, ILT3 and ILT7 are expressed by human dendritic cells and down-regulated following activation. Gene. 2004 Apr 28;331:159-64.

Rissoan MC, Duhen T, Bridon JM, Bendriss-Vermare N, Peronne C, de Saint Vis B, Briere F, Bates EE. Subtractive

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hybridization reveals the expression of immunoglobulin-like transcript 7, Eph-B1, granzyme B, and 3 novel transcripts in human plasmacytoid dendritic cells. Blood. 2002 Nov 1;100(9):3295-303.

Related Products
11-1239 Anti-Human CD123 FITC (6H6)
17-4714 Mouse IgG1 K Isotype Control APC (P3.6.2.8.1)

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