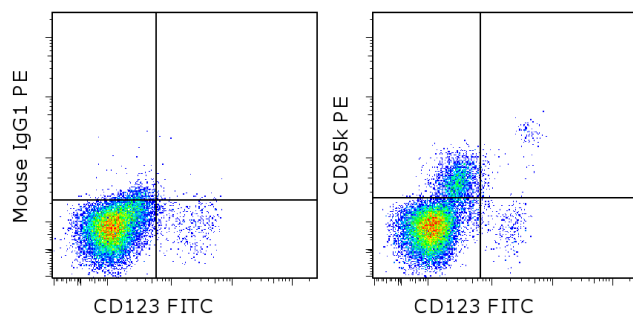


Anti-Human CD85k (ILT3) PE

Catalog Number: 12-5139

Also known as: LIR5, LILRB4, HM18, GM 4d

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 Mouse IgG1 K Isotype Control PE (cat. 12-4714) (left) or Anti-Human CD85k (ILT3) PE (right). Cells in the monocyte gate were used for analysis.

Product Information



Contents: Anti-Human CD85k (ILT3) PE

Catalog Number: 12-5139

Clone: ZM4.1

Concentration: 5 μ L (0.25 μ g)/test

Host/Isotype: Mouse IgG1



LOT



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 monoclonal antibody ZM4.1 recognizes ILT3, also known as CD85k. ILT3 is a member of the large family of ILT molecules (Immunoglobulin-like Transcripts, Leucocyte Ig-like Receptors (LIRs) and Monocyte/Macrophage Ig-like Receptors (MIRs). ILT3 is a 60kDa transmembrane protein with two Ig domains and ITIMs. Expression is found on monocytes, macrophages, and dendritic cells. High levels of ILT3 expression is also found on plasmacytoid dendritic cells (pDCs). ILT3 expression by DCs has been shown to be required to induce Regulatory T cells (tregs). Addition of ZM4.1, like ZM3.8, blocks the suppressive function of the Tregs in in vitro culture systems with allogenic DC's.

Applications Reported

This ZM4.1 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This ZM4.1 antibody has been pre-titrated and tested flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 μ L (0.25 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

References

Cella M, Döhning C, Samaridis J, Dessing M, Brockhaus M, Lanzavecchia A, Colonna M. A novel inhibitory receptor (ILT3) expressed on monocytes, macrophages, and dendritic cells involved in antigen processing. J Exp Med. 1997 May 19;185(10):1743-51. (ILT3, IP, FC, PubMed)

Penna G, Roncari A, Amuchastegui S, Daniel KC, Berti E, Colonna M, Adorini L. Expression of the inhibitory receptor ILT3 on dendritic cells is dispensable for induction of CD4+Foxp3+ regulatory T cells by 1,25-dihydroxyvitamin D3. Blood. 2005 Nov 15;106(10):3490-7. (ILT3, FA, PubMed)

Related Products

11-5148 Anti-Human CD85d (ILT4) FITC (27D6)

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12-4714 Mouse IgG1 K Isotype Control PE (P3.6.2.8.1)

12-5119 Anti-Human CD85h (ILT1) PE (135.4)

12-5159 Anti-Human CD85a (ILT5) PE (MKT5.7H5.1)

17-1239 Anti-Human CD123 APC (6H6)

45-1239 Anti-Human CD123 PerCP-Cy5.5 (6H6)