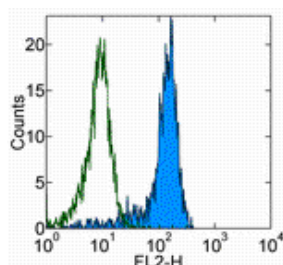


Anti-Human CD85h (ILT1) PE

Catalog Number: 12-5119

Also Known As: ILT-1, LIR7, LILRA2

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



Staining of normal human peripheral blood cells with 0.5 ug of Rat IgG2a kappa Isotype Control PE (cat. 12-4321) (open histogram) or Anti-Human CD85h (ILT1) PE (filled histogram). Cells in the monocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD85h (ILT1) PE

REF **Catalog Number:** 12-5119

Clone: 135.4

Concentration: 5 uL (0.5 ug)/test

Host/Isotype: Rat IgG2a, kappa

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

 **Caution, contains Azide**

Description

The monoclonal antibody 135.4 recognizes ILT1, also known as CD85h, LIR7 and LILRA2. ILT1 is a member of the large family of ILT molecules (Immunoglobulin-like Transcripts) also known as Leukocyte Ig-like Receptors (LIRs) and Monocyte/Macrophage Ig-like Receptors (MIRs). ILT1 contains a short cytoplasmic domain. Through the cytoplasmic domain ILT1 associates with the Fc receptor γ chain but not DAP12 resulting in a stimulatory signal. ILT1 may act as a receptor for MHC Class I antigens. Expression of ILT1 is mainly found on monocytes, macrophages, DC and weakly on granulocytes. ILT1 is thought to play a role in the TH1/Th2 balance as well as TLR signaling. The monoclonal antibody 135.4 has been reported to have activating properties upon crosslinking which result in calcium influx.

Applications Reported

This 135.4 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This 135.4 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 μ L (0.5 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

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Nakajima H, Samaridis J, Angman L, Colonna M. Human myeloid cells express an activating ILT receptor (ILT1) that associates with Fc receptor gamma-chain. *J Immunol.* 1999 Jan 1;162(1):5-8. (135.4, FC, IP, FA 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. (135.4, FA, PubMed)

Related Products

12-4321 Rat IgG2a K Isotype Control PE (eBR2a)

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