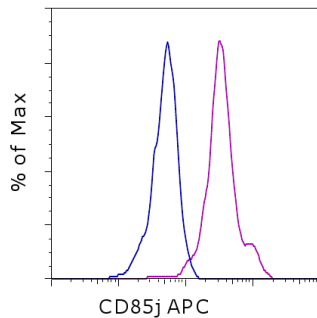


Anti-Human CD85j (ILT2) APC

Catalog Number: 17-5129

Also known as: LIR1, LILRB1, MIR7

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



Staining of normal human peripheral blood cells with Mouse IgG1 K Isotype Control APC (cat. 17-4714) (blue histogram) or Anti-Human CD85j (ILT2) APC (purple histogram). Cells in the monocyte gate were used for analysis.

Product Information



Contents: Anti-Human CD85j (ILT2) APC

Catalog Number: 17-5129

Clone: HP-F1

Concentration: 5 μ L (0.25 μ g)/test

Host/Isotype: Mouse IgG1, 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.

Batch Code: Refer to vial



Use By: Refer to vial

Caution, contains Azide

Description

The monoclonal antibody HP-F1 recognizes CD85j, also known as ILT2, LILRB1, and LIR1. CD85j is a member of the ILT (immunoglobulin-like transcript)/LIR (leukocyte Ig-like receptor)/MIR (monocyte Ig-like receptor) family. CD85j is a single transmembrane glycoprotein with a long cytoplasmic domain containing 4 ITIMs which signal through interactions with SHP-1. Expression is found on myeloid cells (monocytes and dendritic cells) and some lymphoid cells including, subsets of NK, T and B cells. Expression has been correlated with leukemias such as ALL and CLL. Expression on CD8+ cells correlates with effector cell function and plays an important role in viral infections, including HIV, Epstein Barr and CMV. The ligands for CD85j are MHC Class I molecules such as HLA-G, A, F, B27, E and F.

The monoclonal antibody HP-F1 has been shown to reduce the amount of CD16- dependent cytolytic activity of functional NK cells.

Applications Reported

This HP-F1 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This HP-F1 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 (0.25 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

Morel E, Bellón T. HLA class I molecules regulate IFN-gamma production induced in NK cells by target cells, viral products, or immature dendritic cells through the inhibitory receptor ILT2/CD85j. *J Immunol.* 2008 Aug 15;181(4):2368-81.

Colonna M, Navarro F, Bellón T, Llano M, García P, Samaridis J, Angman L, Cella M, López-Botet M. A common inhibitory receptor for major histocompatibility complex class I molecules on human lymphoid and myelomonocytic

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cells. J Exp Med. 1997 Dec 1;186(11):1809-18. (**HP-F1**, FC, IP, FA PubMed)

Related Products

11-0569 Anti-Human CD56 (NCAM) FITC (MEM188 (MEM-188))

12-0037 Anti-Human CD3 PE (OKT3)

17-4714 Mouse IgG1 K Isotype Control APC (P3.6.2.8.1)

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