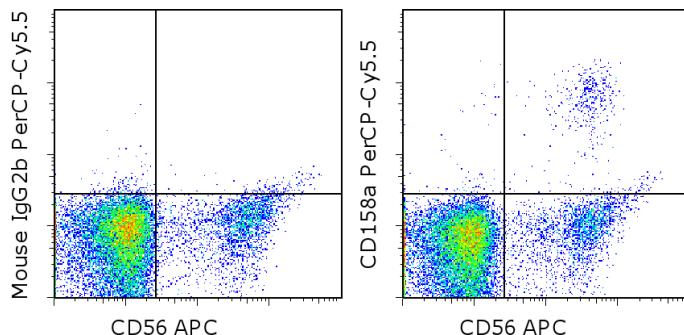


Anti-Human CD158a PerCP-Cyanine5.5

Catalog Number: 45-1589

Also known as: KIR2DL1/S1, KIR

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



Staining of normal human peripheral blood cells with Anti-Human CD56 (NCAM) APC and Mouse IgG2b K Isotype Control PerCP-Cyanine5.5 (cat. 45-4732) (left) or Anti-Human CD158a PerCP-Cyanine5.5 (right). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD158a PerCP-Cyanine5.5

Catalog Number: 45-1589

Clone: HP-MA4

Concentration: 5 µL (0.25 µg)/test

Host/Isotype: Mouse IgG2b

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

Contains sodium azide

Description

The monoclonal antibody HP-MA4 recognizes the 58 kDa protein CD158a also known as KIR2DL1/S1. CD158a is a member of the family of killer cell immunoglobulin-like receptors (KIRs) comprising transmembrane glycoproteins expressed on NK cells and a subset of T cells. Many groups of KIRs exist including KIR2DL1-2, KIR3DS1, KIR2DL1-5, and KIR2DS1-5. The isoforms have either a short (S) or long (L) cytoplasmic domain which transduce either an activating or inhibitory signal, respectively. The ligand for CD158a is HLA-C. The HP-MA4 antibody has been shown to not cross react with other KIRs, despite the conservation of sequence.

Applications Reported

This HP-MA4 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This HP-MA4 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood. 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 10⁵ to 10⁸ cells/test.

References

Foley B, De Santis D, Lathbury L, Christiansen F, Witt C. KIR2DS1-mediated activation overrides NKG2A-mediated inhibition in HLA-C C2-negative individuals. *Int Immunol.* 2008 Apr;20(4):555-63.

M. De Miguel, M. Lopez-Botet, Characterization of monoclonal antibodies specific for receptors of the KIR family. *Inmunologia* 21: 2002; 187-193 (HP-MA4, FC, IP)

Related Products

17-0567 Anti-Human CD56 (NCAM) APC (CMSSB)

45-4732 Mouse IgG2b K Isotype Control PerCP-Cyanine5.5

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