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SM2105P Monoclonal Antibody to CD158b / KIR2DL3 - Purified

Alternate names: KIRCL23, Killer cell immunoglobulin-like receptor 2DL3, MHC class I NK cell receptor, NKAT2a, NKAT2b, Natural killer-associated transcript 2

Quantity: 0.2 mg

Concentration: 1.0 mg/ml

Background: CD158b is primarily expressed on a subset of natural killer (NK) cells and functions as a receptor that binds to HLA class I molecules, including HLA-Cw3 and related HLA-C alleles.

Uniprot ID: P43628

NCBI: NP_056952.2

GeneID: 3804

Host / Isotype: Mouse / IgG2a

Recommended Isotype Controls: AM03096PU-N

Clone: KIR2DL3

Immunogen: Recombinant human KIR2DL3. Spleen cells from immunised Balb/c mice were fused with cells of the mouse P3-X63-Ag8.653 myeloma cell line.

Format:
State: Liquid purified IgG
Purification: Affinity chromatography on Protein G
Buffer System: PBS, pH7.4 containing 0.09% Sodium Azide

Applications: Flow Cytometry: 1/10; Use 10µl of the suggested working dilution to label 10e6 cells in 100µl.
Western Blot.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This antibody recognises KIR2DL3, a 58kD glycoprotein that is a member of the immunoglobulin-like receptor (KIR) family, and is also known as CD158b. Clone 190IIC311 reacts with an extracellular domain of KIR2DL3 but does not recognise related KIR2DL family members KIR2DL1 and KIR2DS4.
Species: Human.
Other species not tested.

Storage: Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General Readings:
1. Shin JS, Shin EC, Kim J, Choi IH, Park JH, Kim SJ. Monoclonal antibodies with various reactivity to p58 killer inhibitory receptors. Hybridoma. 1999 Dec;18(6):521-7. PubMed PMID: 10626681.

For research and in vitro use only. Not for diagnostic or therapeutic work.
Material Safety Datasheets are available at www.acris-antibodies.com or on request.