

Product datasheet for **AM26776RP-N**

KIR2DL5A Mouse Monoclonal Antibody [Clone ID: UP-R1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	UP-R1
Applications:	FC
Recommended Dilution:	Flow Cytometry analysis of human blood cells using 10 µl reagent / 100 µl of whole blood or 10 ⁶ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human CD158f-Ig fusion protein
Specificity:	This antibody recognizes CD158f (KIR2DL5), a 60 kDa glycoprotein serving as a HLA class I ligand, and mainly expressed on a subset of NK cells and a small population of T cells. Its expression is highly polymorphic between individuals.
Formulation:	Phosphate buffered saline (PBS) Label: PE State: Liquid purified Ig fraction Stabilizer: 0.2% (w/v) high-grade protease free Bovine Serum Albumin (BSA) Preservative: 15 mM sodium azide
Conjugation:	PE
Storage:	Store the antibody at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	killer cell immunoglobulin like receptor, two Ig domains and long cytoplasmic tail 5A
Database Link:	Entrez Gene 57292 Human Q8N109



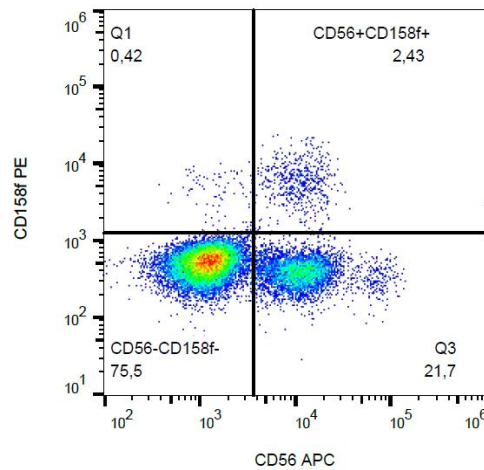
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Background:

CD158f, also known as KIR2DL5, is a polymorphic 60 kDa transmembrane glycoprotein with two Ig-like extracellular domains by which it recognize HLA class I molecules. Its long intracellular domain contains immunoreceptor tyrosine-based inhibitory motifs (ITIMs) that upon extracellular ligand-mediated phosphorylation serve as docking sites for inhibitory phosphatases, which results in blocking natural cytotoxicity as well as antibody-dependent cytotoxicity of the particular NK cell, and its adhesion toward target cells. Together with other killer inhibitory receptors CD158f is important for immunological tolerance to discriminate between normal and abnormal cells. Besides NK cells it is expressed on a small population of cytotoxic T cells. Expression of CD158f alleles is highly variable in the population.

Synonyms:

CD158F1, KIR2DL5

Product images:


Surface staining of human peripheral blood with anti-CD158f (UP-R1) PE.