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SM6023 Monoclonal Antibody to CD158i / KIR2DS4 - Purified

Alternate names:	CD158 antigen-like family member I, CL-17, CL-39, KKA3, MHC class I NK cell receptor, NKAT8, Natural killer-associated transcript 8, P58 natural killer cell receptor clone CL-39
Quantity:	0.1 ml
Concentration:	1.0 mg/ml
Background:	The KIR family consists of transmembrane glycoproteins of the Ig superfamily expressed on human NK cells and a subset of human T cells which they are involved in recognition of either MHC class I molecules or unknown ligand on target cells and inhibit cytotoxic activities. KIR2DS4 is an activating receptor of KIR family.
Uniprot ID:	P43632
NCBI:	NP_036446.3
GeneID:	3809
Host / Isotype:	Mouse / IgG2b
Recommended Isotype Controls:	SM12P, AM03110PU-N
Clone:	5F2
Immunogen:	Recombinant human KIR2DS4 purified from *E. coli*
Format:	**State:** Liquid Ig fraction **Purification:** Protein-G affinity chromatography **Buffer System:** PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol
Applications:	ELISA. Western blot (1:500 - 1:2,000, recommended starting dilution 1:1,000). Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody detects KIR2DS4. **Species:** Human. Other species not tested.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Steffens, U. et al. (1998) Tissue Antigens 51, 398-413 Wagtmann, N. R., et al. (1995) Immunity 2, 439-449 Kim, J. et al. (1997) J. Immunol. 159, 3875-3882.

Pictures:

Western blot analysis Recombinant Human KIR2DL1, KIR2DL3, KIR2DL4 and KIR2DS4 (each 100 ng) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with SM6023 anti-Human KIR2DS4 antibody (1/1000). Proteins were visualized using a Goat anti-Mouse secondary antibody conjugated to HRP and an ECL detection system. Arrow indicates recombinant Human KIR2DS4 protein.