

Polyclonal Antibody to KIR2DS5 (Center) - Aff - Purified

Alternate names:	CD158 antigen-like family member G, CD158G, CD_antigen=CD158g, Flags: Precursor, Killer cell immunoglobulin-like receptor 2DS5, MHC class I NK cell receptor, NKAT-9, NKAT9, Natural killer-associated transcript 9
Catalog No.:	AP52371PU-N
Quantity:	0.4 ml
Concentration:	lot specific
Background:	Killer cell immunoglobulin-like receptors (KIRs) are transmembrane glycoproteins expressed by natural killer cells and subsets of T cells. The KIR genes are polymorphic and highly homologous and they are found in a cluster on chromosome 19q13.4 within the 1 Mb leukocyte receptor complex (LRC). The gene content of the KIR gene cluster varies among haplotypes, although several 'framework' genes are found in all haplotypes (KIR3DL3, KIR3DP1, KIR3DL4, KIR3DL2). The KIR proteins are classified by the number of extracellular immunoglobulin domains (2D or 3D) and by whether they have a long (L) or short (S) cytoplasmic domain. KIR proteins with the long cytoplasmic domain transduce inhibitory signals upon ligand binding via an immune tyrosine-based inhibitory motif (ITIM), while KIR proteins with the short cytoplasmic domain lack the ITIM motif and instead associate with the TYRO protein tyrosine kinase binding protein to transduce activating signals. The ligands for several KIR proteins are subsets of HLA class I molecules; thus, KIR proteins are thought to play an important role in regulation of the immune response.
Uniprot ID:	Q14953
NCBI:	9606
Host / Isotype:	Rabbit / Ig
Immunogen:	KLH conjugated synthetic peptide between 160-190 amino acids from the Central region of Human KIR2DS5
Format:	State: Liquid purified Ig fraction Purification: Protein A column, followed by peptide affinity purification Buffer System: PBS containing 0.09% (W/V) Sodium Azide as preservative
Applications:	ELISA: 1/1000. Western Blot: 1/100-1/500. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognizes Human KIR2DS5 (Center).
Add. Information:	Molecular Weight: 33644 Da
Storage:	Store 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: Vilches, C., et al. Tissue Antigens 56(5):453-456(2000)
Bottino, C., et al. Eur. J. Immunol. 26(8):1816-1824(1996)
Dohring, C., et al. Immunogenetics 44(3):227-230(1996)
Wagtmann, N., et al. Immunity 2(5):439-449(1995)

Pictures: Western blot analysis of KIR2DS5
Antibody (Center) Cat.-No AP52371PU-
N in CEM cell line lysates (35ug/lane).
This demonstrates the KIR2DS5 antibody
detected the KIR2DS5 protein (arrow).

