

## Product datasheet for **TA392423S**

### **KIR2DL1 Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:5000~1:10000
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein of human CD158a.
Specificity:	CD158a polyclonal antibody detects endogenous levels of CD158a protein.
Formulation:	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2.
Concentration:	1mg/ml
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Stability:	1 year
Predicted Protein Size:	~ 49 kDa
Gene Name:	killer cell immunoglobulin like receptor, two Ig domains and long cytoplasmic tail 1
Database Link:	<a href="#">Entrez Gene 3802 Human P43626</a>



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- Background:** NKAT (NK-associated transcripts) gene products, known as killer immunoglobulin-like receptors or KIRs, downregulate the cytotoxicity of NK cells upon recognition of specific class I major histocompatibility complex (MHC) molecules on target cells. This family of receptors is characterized by an extracellular region with two to three immunoglobulin-superfamily domains and a cytoplasmic domain with an antigen receptor activation motif (ARAM). KIRs and other inhibitory receptors also possess a common cytoplasmic sequence (I/VxYxxL/V) known as an ITIM (immunoreceptor tyrosine-based inhibitory motif). The human inhibitory natural killer cell immunoglobulin-like receptor 2DL1, also designated KIR2DL1, CL-42, NKAT1, P58.1 or CD158a long form, is a 348 amino acid type I transmembrane protein. KIR2DL1 can bind human leukocyte antigen-C (HLA-C) via both polar and hydrophobic interactions through Met 44 in a binding pocket that coordinates Lys 80 of HLA-C.
- Synonyms:** CD158 antigen-like family member A; CD158A; CD158a; Killer cell immunoglobulin-like receptor 2DL1; KIR2DL1; Natural killer-associated transcript 1; NKAT-1; NKAT1; p58 natural killer cell receptor clones CL-42/47.11; p58 NK receptor CL-42/47.11; p58.1 MHC class-I-specific NK receptor
- Note:** For research use only, not for use in diagnostic procedure.