

CD158f2 Polyclonal Antibody

Catalog No :	YT0727
Reactivity :	Human;Rat;Mouse;
Applications :	WB;IF;ELISA
Target :	CD158f2
Gene Name :	KIR2DL5B
Protein Name :	Killer cell immunoglobulin-like receptor 2DL5B
Human Gene Id :	553128
Human Swiss Prot No :	Q8NHK3
Immunogen :	The antiserum was produced against synthesized peptide derived from human KIR2DL5B. AA range:161-210
Specificity :	CD158f2 Polyclonal Antibody detects endogenous levels of CD158f2 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	40kD
Cell Pathway :	Antigen processing and presentation;Natural killer cell mediated

cytotoxicity;Graft-versus-host disease;

Background :

killer cell immunoglobulin like receptor, two Ig domains and long cytoplasmic tail 5B(KIR2DL5B) Homo sapiens 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

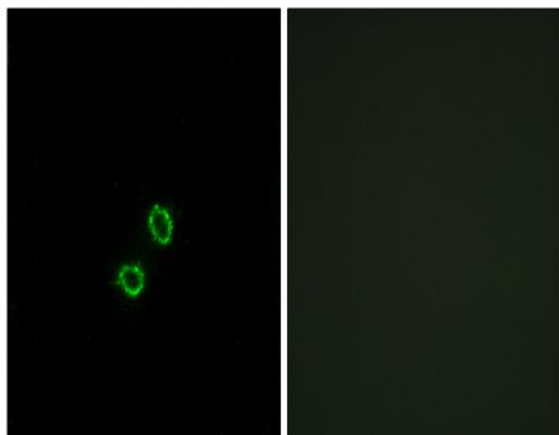
Function :

function:Receptor on natural killer (NK) cells for HLA-C alleles. Inhibits the activity of NK cells thus preventing cell lysis.,similarity:Belongs to the immunoglobulin superfamily.,similarity:Contains 2 Ig-like C2-type (immunoglobulin-like) domains.,

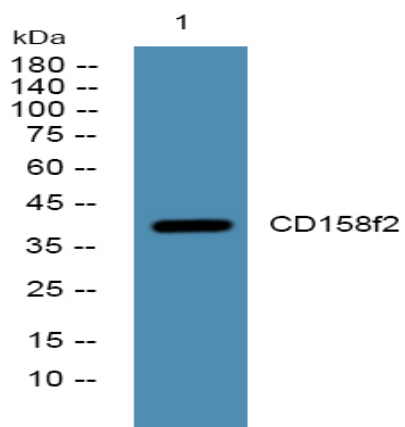
Subcellular Location :

Cell membrane; Single-pass type I membrane protein.

Products Images



Immunofluorescence analysis of A549 cells, using KIR2DL5B Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from KB cells, primary antibody was diluted at 1:1000, 4° over night