

For Research Use Only

KIR2DL3 Polyclonal antibody

Catalog Number: 18966-1-AP



Basic Information

Catalog Number: 18966-1-AP	GenBank Accession Number: BC032422	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop and 200 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3804	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	Full Name: killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 3	
Isotype: IgG	Calculated MW: 341 aa, 38 kDa	
Immunogen Catalog Number: AG5163	Observed MW: 58 kDa	

Applications

Tested Applications: WB,ELISA	Positive Controls: WB : human liver tissue,
Species Specificity: human	

Background Information

Killer cell immunoglobulin-like receptors (KIRs) are a diverse family of inhibitory and activating receptors expressed on NK cells and a subset of T cells (PMID: 11861603). These polymorphic receptors interact with specific motifs on HLA class I molecules, modulate NK cytolytic activity and are encoded by genes located on chromosome 19q13.4 (PMID: 17069649). KIR2DL3, also known as CD158B2 or NKAT2, is an inhibitory receptor that is specific for HLA-C alleles (HLA-Cw1, HLA-Cw3 and HLA-Cw7) (PMID: 10196125). It is a 341-amino acid transmembrane glycoprotein consisting of an extracellular region containing two C2-type Ig-like domains, a 19-amino acid hydrophobic transmembrane region, and a long cytoplasmic tail with two immunoreceptor tyrosine-based inhibitory motifs (ITIMs). KIR2DL3 inhibits the cytolytic activity of NK cells thus preventing cell lysis (PMID: 7724594).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
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Selected Validation Data



human liver tissue were subjected to SDS PAGE followed by western blot with 18966-1-AP (KIR2DL3 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.