

For Research Use Only

CD158K/KIR3DL2 Polyclonal antibody

Catalog Number:33010-1-AP



Basic Information

Catalog Number: 33010-1-AP	GenBank Accession Number: NM_006737.4	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 550 ug/ml by Nanodrop;	GeneID (NCBI): 3812	Recommended Dilutions: WB: 1:1000-1:8000
Source: Rabbit	UNIPROT ID: P43630-1	
Isotype: IgG	Full Name: killer cell immunoglobulin-like receptor, three domains, long cytoplasmic tail, 2	
Immunogen Catalog Number: EG4355	Calculated MW: 50 kDa	
	Observed MW: 50-60 kda	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : NK-92 cells, mouse spleen tissue
Species Specificity: human, mouse	

Background Information

KIR3DL2, also known as CD158k, is an inhibitory receptor expressed by natural killer (NK) cells and a subset of CD8+ T cells. It plays a role in immune regulation by binding to HLA class I molecules, specifically HLA-A3 and HLA-A11, in a peptide-dependent fashion. KIR3DL2 can also function as an innate immune receptor for delivering CpG DNA to TLR9 in NK cells, highlighting its role in both adaptive and innate immunity. This protein is primarily expressed on the cell surface, particularly in NK cells and certain T cells. It has been implicated in various diseases, particularly in the context of hematological malignancies and autoimmune diseases. Aberrant expression of KIR3DL2 has been observed in neoplastic cells in transformed mycosis fungoides and Sézary syndrome, suggesting its potential as a therapeutic target in primary cutaneous anaplastic large-cell lymphoma (pcALCL).

Storage

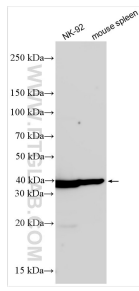
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33010-1-AP (CD158K/KIR3DL2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.