

For Research Use Only

KIR2DL1 Recombinant antibody

Catalog Number: 85168-2-RR



Basic Information

Catalog Number:	85168-2-RR	GenBank Accession Number:	BC069344	Purification Method:	Protein A purification
Size:	100ul, Concentration: 1000 µg/ml by Nanodrop;	GenID (NCBI):	3802	CloneNo.:	242398B7
Source:	Rabbit	UNIPROT ID:	P43626	Recommended Dilutions:	WB 1:5000-1:50000
Isotype:	IgG	Full Name:	killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 1		
		Calculated MW:	39 kDa		
		Observed MW:	45 kDa		

Applications

Tested Applications:	Positive Controls:
WB, ELISA	WB: Recombinant protein,

Background Information

Killer cell immunoglobulin-like receptor 2DL1 (KIR2DL1, also known as CD158A and NKAT1) is an inhibitory receptor of NK cells, with β -arrestin 2 mediated recruitment of the tyrosine phosphatases SHP-1 and SHP-2 to KIR2DL1 and facilitated downstream inhibitory signaling (PMID: 18604210). The effector function of NK cells expressing KIR2DL1 or KIR2DS1 is highly influenced by genetic variability and is calibrated by co-expression of additional NK receptors and cognate HLA-C2 ligands (PMID: 31024561).

Storage

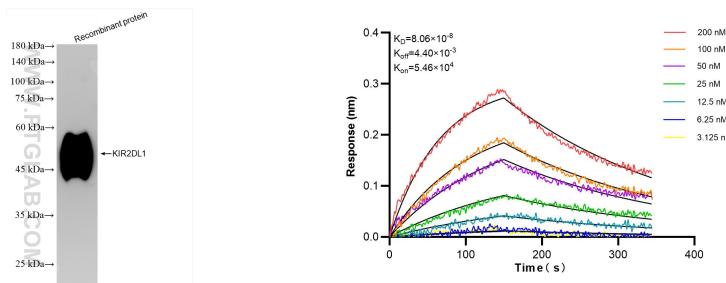
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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



Recombinant protein were subjected to SDS PAGE followed by western blot with 85168-2-RR (KIR2DL1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.

Biolayer interferometry (BLI) kinetic assays of 85168-2-RR against Human KIR2DL1 were performed. The affinity constant is 80.6 nM.