

For Research Use Only

# KIR2DL1 Recombinant antibody, PBS Only

Catalog Number: **85168-2-PBS**



## Basic Information

<b>Catalog Number:</b>	<b>GenBank Accession Number:</b>	<b>Purification Method:</b>
85168-2-PBS	BC069344	Protein A purification
<b>Size:</b>	<b>GenID (NCBI):</b>	<b>CloneNo.:</b>
100ug, Concentration: 1 mg/ml by Nanodrop;	3802	242398B7
<b>Source:</b>	<b>UNIPROT ID:</b>	
Rabbit	P43626	
<b>Isotype:</b>	<b>Full Name:</b>	
IgG	killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 1	
	<b>Calculated MW:</b>	
	39 kDa	
	<b>Observed MW:</b>	
	45 kDa	

## Applications

**Tested Applications:**

WB, Indirect ELISA

**Species Specificity:**

human

## Background Information

Killer cell immunoglobulin-like receptor 2DL1 (KIR2DL1, also known as CD158A and NKAT1) is an inhibitory receptor of NK cells, with  $\beta$ -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 -80°C.

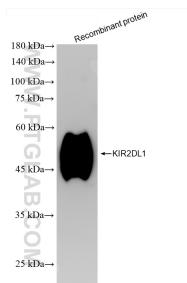
**Storage Buffer:**

PBS Only

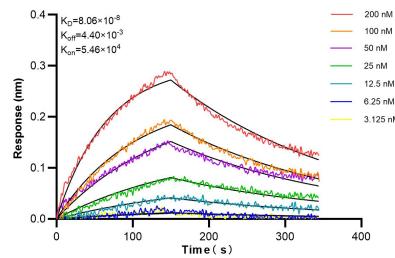
For technical support and original validation data for this product please contact:  
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free  
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## Selected Validation Data



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. This data was developed using the same antibody clone with 85168-2-PBS in a different storage buffer formulation.



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