

For Research Use Only

# KIR2DL1 Recombinant antibody, PBS Only

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



## Basic Information

<b>Catalog Number:</b>	85168-2-PBS	<b>GenBank Accession Number:</b>	<b>Purification Method:</b>
<b>Concentration:</b>	1000 µg/ml	<b>GenID (NCBI):</b>	<b>Protein A purification</b>
<b>Source:</b>	Rabbit	<b>UNIPROT ID:</b>	<b>CloneNo.:</b>
<b>Isotype:</b>	IgG	<b>Full Name:</b>	<b>242398B7</b>
		<b>killer cell immunoglobulin-like receptor, two domains, long cytoplasmic tail, 1</b>	
		<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.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

### Storage Buffer:

PBS Only

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

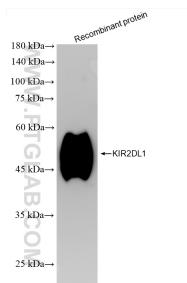
T: 4006900926

E: Proteintech-CN@ptglab.com

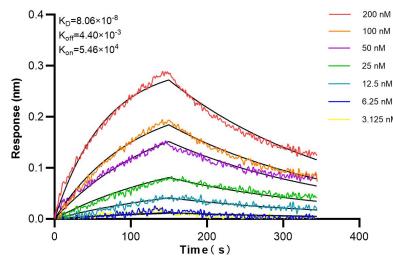
W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## 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.