

For Research Use Only

# CD69 Recombinant antibody, PBS Only

Catalog Number: 84258-7-PBS



## Basic Information

<b>Catalog Number:</b> 84258-7-PBS	<b>GenBank Accession Number:</b> NM_001781.2	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 969	<b>CloneNo.:</b> 241552A2
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q07108	
<b>Isotype:</b> IgG	<b>Full Name:</b> CD69 molecule	
	<b>Calculated MW:</b> 23 kDa	
	<b>Observed MW:</b> 35 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human

## Background Information

CD69, also known as AIM, EA-1, Leu-23, and MLR3, is a type II transmembrane glycoprotein that belongs to the C-type lectin superfamily (PMID: 8340758; 7804122). CD69 is constitutively expressed by mature thymocytes, platelets, several subsets of tissue resident immune cells (including resident memory T cells and gamma delta T cells), and is inducibly expressed by activated T cells, B cells, natural killer (NK) cells, monocytes, neutrophils (PMID: 8100776; 28475283). CD69 has been identified as an early activation marker of lymphocytes and is commonly used as a marker of activated lymphocytes and NK cells (PMID: 28475283; 25759842). It is involved in the regulation of immune responses (PMID: 15745855).

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

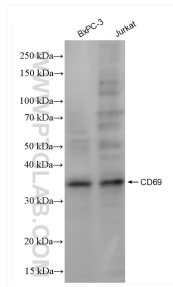
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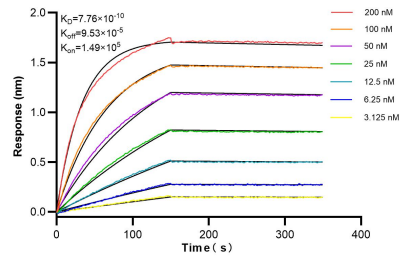
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84258-7-RR (CD69 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84258-7-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84258-7-RR against Human CD69 were performed. The affinity constant is 0.776 nM.