

For Research Use Only

# Anti-Human CD69 Rabbit Recombinant Antibody

Catalog Number: 98173-1-RR



## Basic Information

<b>Catalog Number:</b> 98173-1-RR	<b>GenBank Accession Number:</b> NM_001781.2	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , 1000 µg/ml	<b>GeneID (NCBI):</b> 969	<b>CloneNo.:</b> 241552F1
<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	

## Applications

**Tested Applications:**  
FC

**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

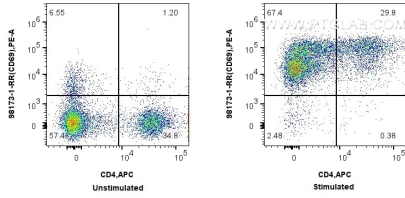
**Storage:**  
Store at 2 - 8°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.09% sodium azide, pH 7.3.

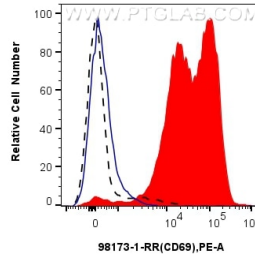
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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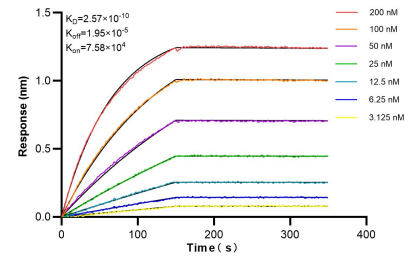
## Selected Validation Data



1x10<sup>6</sup> untreated or PHA treated human PBMCs were surface stained with 0.25 ug Anti-Human CD69 Rabbit Recombinant Antibody (98173-1-RR, Clone:241552F1) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were then stained with APC Anti-Human CD4 (RPA-T4). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



1x10<sup>6</sup> PHA treated human PBMCs were surface stained with 0.25 ug Anti-Human CD69 Rabbit Recombinant Antibody (98173-1-RR, Clone:241552F1) (red) or 0.25 ug Isotype Control, or 1x10<sup>6</sup> untreated human PBMCs were surface stained with 0.25 ug Anti-Human CD69 Rabbit Recombinant Antibody (98173-1-RR, Clone:241552F1)(black, dashed) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



Bi-layer interferometry (BLI) kinetic assays of 98173-1-RR against Human CD69 were performed. The affinity constant is 0.257 nM.