

For Research Use Only

# Anti-Human CD69 Rabbit Recombinant Antibody

Catalog Number: 98173-2-RR



## Basic Information

<b>Catalog Number:</b> 98173-2-RR	<b>GenBank Accession Number:</b> NM_001781.2	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 100ug, 1000 µg/ml	<b>GeneID (NCBI):</b> 969	<b>CloneNo.:</b> 241552G10
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q07108	<b>Recommended Dilutions:</b> FC: 0.25 ug per 10 <sup>6</sup> cells in a 100 µl suspension
<b>Isotype:</b> IgG	<b>Full Name:</b> CD69 molecule	
<b>Immunogen Catalog Number:</b> EG1791	<b>Calculated MW:</b> 23 kDa	

## Applications

<b>Tested Applications:</b> FC	<b>Positive Controls:</b> FC : PHA treated human PBMCs, cynomolgus PBMCs
<b>Species Specificity:</b> human, monkey, non-human primates	

## 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, pH7.3

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

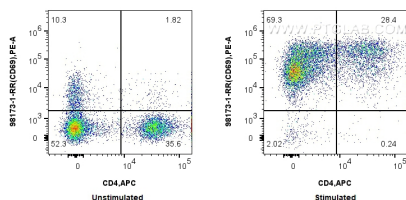
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

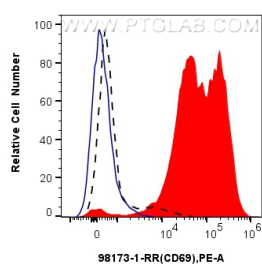
W: [ptgcn.com](http://ptgcn.com)

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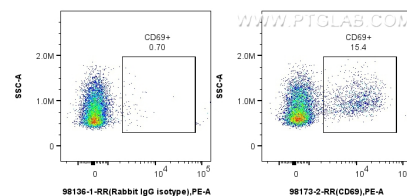
## Selected Validation Data



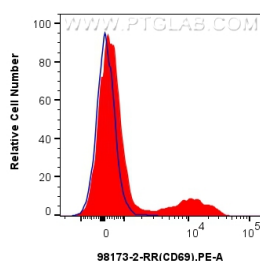
1x10<sup>6</sup> untreated or PHA-treated human PBMCs were surface stained with 0.25 ug Anti-Human CD69 Rabbit Recombinant Antibody (98173-2-RR, Clone: 241552F1) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were then stained with APC Anti-Human CD4(RPA-T4). Cells were not fixed.



1x10<sup>6</sup> PHA-treated human PBMCs were surface stained with 0.25 ug Anti-Human CD69 Rabbit Recombinant Antibody (98173-2-RR, Clone: 241552F1) (red) or 0.25 ug Isotype Control (blue) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). 1x10<sup>6</sup> untreated human PBMCs were surface stained with 0.25 ug Anti-Human CD69 Rabbit Recombinant Antibody (98173-2-RR, Clone:241552F1)(black, dashed) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were incubated with FC Receptor Block



1x10<sup>6</sup> Cnyo PBMCs were surface stained with 0.25 ug Anti-Human CD69 Rabbit RecAb (98173-2-RR, Clone:241552G10) or Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9), and PE-conjugated Goat Anti-Rabbit IgG. Cells were not fixed.



1x10<sup>6</sup> cynomolgus PBMCs were surface stained with 0.25 ug Anti-Human CD69 Rabbit RecAb (98173-2-RR, Clone: 241552G10) (red) or Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue), and PE-conjugated Goat Anti-Rabbit IgG. Cells were not fixed.