

For Research Use Only

Anti-Human CD69 Rabbit Recombinant Antibody

Catalog Number: 98173-2-RR



Basic Information

Catalog Number:

98173-2-RR

Size:

100ug, 1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG1791

GenBank Accession Number:

NM_001781.2

GeneID (NCBI):

969

UNIPROT ID:

Q07108

Full Name:

CD69 molecule

Calculated MW:

23 kDa

Purification Method:

Protein A purification

CloneNo.:

241552G10

Recommended Dilutions:

FC: 0.25 µg per 10⁶ cells in a 100 µl suspension

Applications

Tested Applications:

FC

Species Specificity:

human, monkey, non-human primates

Positive Controls:

FC : PHA treated human PBMCs, cynomolgus PBMCs

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

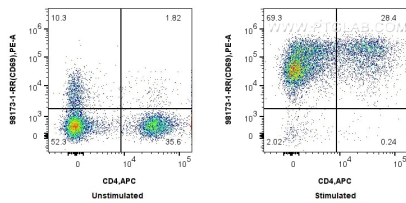
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

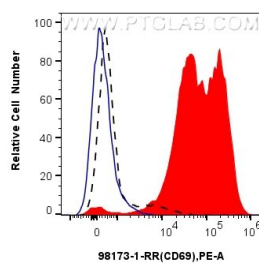
E: proteintech@ptglab.com
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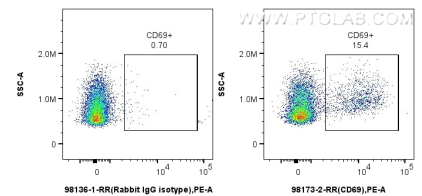
Selected Validation Data



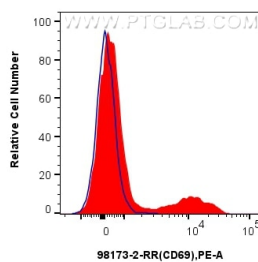
1x10⁶ untreated or PHA-treated human PBMCs were surface stained with 0.25 ug Anti-Human CD69 Rabbit Recombinant Antibody (98173-2-RR, Clone: 241552F1) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were then stained with APC Anti-Human CD4 (RPA-T4). Cells were not fixed.



1x10⁶ 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). 1x10⁶ 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



1x10⁶ 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.



1x10⁶ 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.