

For Research Use Only

PE Anti-Human CD69 Rabbit Recombinant Antibody

Catalog Number: PE-98173-2



Basic Information

Catalog Number: PE-98173-2	GenBank Accession Number: NM_001781.2	Purification Method: Protein A purification
Concentration: 100 tests, 5 µl/test	GeneID (NCBI): 969	CloneNo.: 241552G10
Source: Rabbit	UNIPROT ID: Q07108	Recommended Dilutions: FC: 5 µl per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: CD69 molecule	Excitation/Emission maxima wavelengths: 496 nm, 565 nm / 578 nm
Immunogen Catalog Number: EG1791	Calculated MW: 23 kDa	

Applications

Tested Applications: FC	Positive Controls: FC : PHA treated human PBMCs,
Species Specificity: human, cynomolgus monkey	

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).

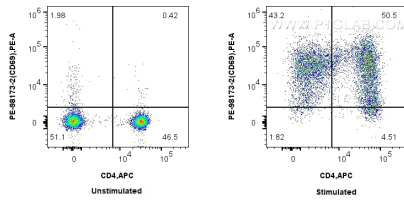
Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

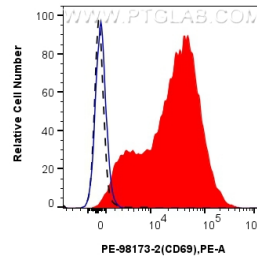
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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Selected Validation Data



1x10⁶ untreated or PHA-treated human PBMCs were surface stained with APC Anti-Human CD4 and 5 ul PE Anti-Human CD69 Rabbit RecAb (PE-98173-2, Clone: 241552G10). Cells were not fixed.



1x10⁶ PHA-treated human PBMCs were surface stained with 5 ul PE Anti-Human CD69 Rabbit RecAb (PE-98173-2, Clone: 241552G10) (red) or PE Rabbit IgG Isotype Control Recombinant Antibody (PE-98136, Clone: 240953C9) (blue). 1x10⁶ untreated human PBMCs were surface stained with 5 ul PE Anti-Human CD69 Rabbit RecAb (PE-98173-2, Clone: 241552G10) (black, dashed). Cells were not fixed.