

For Research Use Only

CoraLite® Plus 647 Anti-Human CD69 Rabbit Recombinant Antibody

Catalog Number: CL647-98173-2



Basic Information

Catalog Number:

CL647-98173-2

Concentration:

100 tests, 5 µl/test

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: 5 µl per 10⁶ cells in a 100 µl suspension

Excitation/Emission maximum wavelengths:

654 nm / 674 nm

Applications

Tested Applications:

FC

Species Specificity:

human, cynomolgus monkey

Positive Controls:

FC : PHA treated human 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. 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:

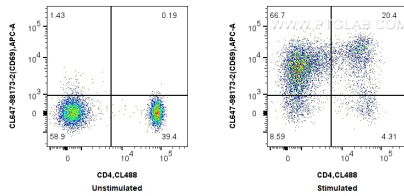
T: 4006900926

E: Proteintech-CN@ptglab.com

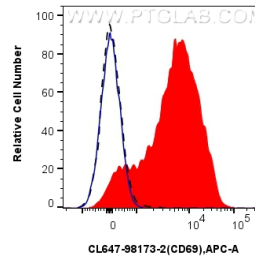
W: ptgcn.com

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Selected Validation Data



1x10⁶ untreated or PHA treated human PBMCs were surface stained with CoraLite® Plus 488 Anti-Human CD4 and 5 ul CoraLite® Plus 647 Anti-Human CD69 Rabbit RecAb (CL647-98173-2, Clone: 241552G10). Cells were not fixed.



1x10⁶ PHA treated human PBMCs were surface stained with 5 ul CoraLite® Plus 647 Anti-Human CD69 Rabbit RecAb (CL647-98173-2, Clone: 241552G10) (red) or CoraLite® Plus 647 Rabbit IgG Isotype Control RecAb (CL647-98136, Clone: 240953C9) (blue). 1x10⁶ untreated human PBMCs were surface stained with 5 ul CoraLite® Plus 647 Anti-Human CD69 Rabbit RecAb (CL647-98173-2, Clone: 241552G10) (black, dashed). Cells were not fixed.