

For Research Use Only

FcZero-rAb® Biotin Anti-Human CD69 Rabbit Recombinant Antibody

Catalog Number: Biotin-FcA98173



Basic Information

Catalog Number:

Biotin-FcA98173

Size:

100ug, 500 ug/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.:

241552F1

Recommended Dilutions:

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

Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : PHA treated 24h 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, pH7.3

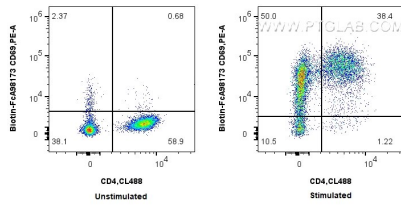
For technical support and original validation data for this product please contact:

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

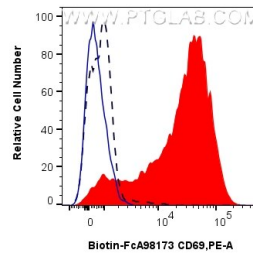
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1×10^6 untreated or PHA treated human PBMCs were surface stained with 0.25 ug Biotin Anti-Human CD69 Rabbit RecAb (Biotin-FcA98173, Clone:241552F1) or 0.25 ug Isotype Control and Streptavidin-PE Conjugate (PE-PF00030), and 0.25 ug FcZero-rAb® CoraLite® Plus 488 Anti-Human CD4 (OKT4) Rabbit Recombinant Antibody (CL488-FcA65603, Clone: OKT4). Cells were not fixed.



1×10^6 PHA treated human PBMCs were surface stained with 0.25 ug Biotin Anti-Human CD69 Rabbit RecAb (Biotin-FcA98173, Clone:241552F1) (red) or 0.25 ug Isotype Control (blue) and Streptavidin-PE Conjugate (PE-PF00030). 1×10^6 untreated human PBMCs were surface stained with 0.25 ug Biotin Anti-Human CD69 Rabbit RecAb (Biotin-FcA98173, Clone:241552F1) (black, dashed). Cells were not fixed.