For Research Use Only

FcZero-rAb® CoraLite®700 Anti-Mouse CD69 Rabbit Recombinant Antibody

Catalog Number:CL700-FcA98440-2

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
CL700-FcA98440-2

Concentration:
100ug, 500 ug/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG3835

GenBank Accession Number:
NM_001033122.3

GeneID (NCBI):
12515

UNIPROT ID:
P37217

Full Name:
CD69 antigen

Calculated MW:
23 kDa

Purification Method:
Protein A purification

CloneNo.:
250269C11

Recommended Dilutions:
FC: 0.25 ug per 10^6 cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:
702 nm / 723 nm

Applications

Tested Applications:
FC

Species Specificity:
mouse

Positive Controls:

FC : anti-CD3/CD28 treated mouse splenocytes,

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).

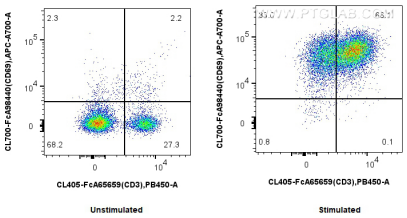
Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH 7.3.

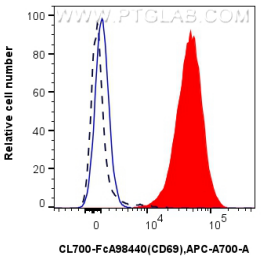
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

Selected Validation Data



1x10^6 untreated or anti-CD3/CD28 treated mouse splenocytes were surface stained with 0.25 ug CoraLite®700 Anti-Mouse CD69 Rabbit RecAb (CL700-FcA98440-2, Clone: 250269C11) and 0.25 ug FcZero-rAb® CoraLite® Plus 405 Anti-Mouse CD3 (17A2) Rabbit Recombinant Antibody (CL405-FcA65659, Clone: 17A2). Cells were not fixed.



1x10^6 anti-CD3/CD28 treated mouse splenocytes were surface stained with 0.25 ug CoraLite®700 Anti-Mouse CD69 Rabbit RecAb (CL700-FcA98440-2, Clone: 250269C11) (red) or 0.25 ug FcZero-rAb® CoraLite® Plus 700 Rabbit IgG Isotype Control Recombinant Antibody (CL700-FcA98136, Clone: 240953C9) (blue). 1x10^6 untreated mouse splenocytes were surface stained with 0.25 ug CoraLite®700 Anti-Mouse CD69 Rabbit RecAb (CL700-FcA98440-