

For Research Use Only

# FcZero-rAb® CoraLite® Plus 750 Anti-Mouse CD69 Rabbit Recombinant Antibody

Catalog Number: CL750-FcA98440-2



## Basic Information

Catalog Number:  
CL750-FcA98440-2

Size:  
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<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:  
755 nm / 780 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, pH7.3

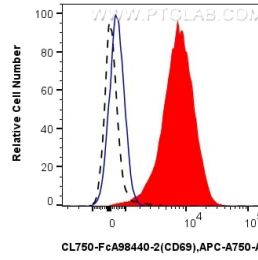
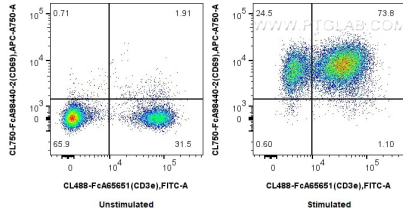
For technical support and original validation data for this product please contact:

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



1x10<sup>6</sup> untreated or anti-CD3/CD28 treated mouse splenocytes were surface stained with FcZero-rAb® CoraLite® Plus 488 Anti-Mouse CD3e and 0.25 ug CoraLite® Plus 750 Anti-Mouse CD69 Rabbit RecAb (CL750-FcA98440-2, Clone: 250269C11). Cells were not fixed.

1x10<sup>6</sup> anti-CD3/CD28 treated mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 750 Anti-Mouse CD69 Rabbit RecAb (CL750-FcA98440-2, Clone: 250269C11) (red) or FcZero-rAb® CoraLite® Plus 750 Rabbit IgG Isotype Control Recombinant Antibody (CL750-FcA98136, Clone: 240953C9) (blue). 1x10<sup>6</sup> untreated mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 750 Anti-Mouse CD69 Rabbit RecAb (CL750-FcA98440-2,

