

For Research Use Only

PE Anti-Mouse CD69 Rabbit Recombinant Antibody

Catalog Number: PE-98440-2



Basic Information

Catalog Number:

PE-98440-2

Size:

100ug, 200 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: 0.1 ug per 10^6 cells in a 100 μ l suspension

Excitation/Emission maxima wavelengths:

496 nm, 565 nm / 578 nm

Applications

Tested Applications:

FC

Species Specificity:

mouse

Positive Controls:

FC : 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 and 0.5% BSA, pH7.3

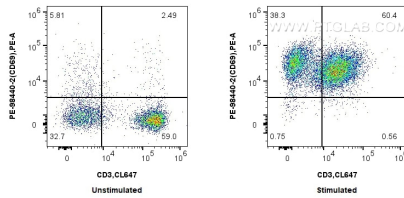
For technical support and original validation data for this product please contact:

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

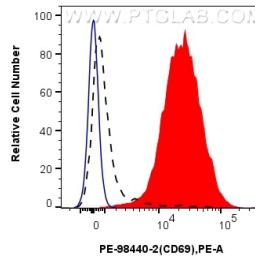
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1x10⁶ untreated or CD3/CD28 treated mouse splenocytes were surface stained with CoraLite® Plus 647 Anti-Mouse CD3, and 0.1 ug PE Anti-Mouse CD69 Rabbit RecAb (PE-98440-2, Clone:250269C11). Cells were not fixed.



1x10⁶ CD3/CD28 treated mouse splenocytes were surface stained with 0.1 ug PE Anti-Mouse CD69 Rabbit RecAb (PE-98440-2, Clone:250269C11)(red) or PE Rabbit IgG Isotype Control Recombinant Antibody (PE-98136, Clone: 240953C9)(blue), or 1x10⁶ untreated mouse splenocytes were surface stained with 0.1 ug PE Anti-Mouse CD69 Rabbit RecAb (PE-98440-2, Clone:250269C11) (black,dashed). Cells were not fixed.