

For Research Use Only

FcZero-rAb® CoraLite® Plus 647 Anti-Mouse CD69 Rabbit Recombinant Antibody

Catalog Number: CL647-FcA98440-2



Basic Information

Catalog Number: CL647-FcA98440-2	GenBank Accession Number: NM_001033122.3	Purification Method: Protein A purification
Concentration: 100ug, 500 ug/ml	GeneID (NCBI): 12515	CloneNo.: 250269C11
Source: Rabbit	UNIPROT ID: P37217	Recommended Dilutions: FC: 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: CD69 antigen	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Immunogen Catalog Number: EG3835	Calculated MW: 23 kDa	

Applications

Tested Applications: FC	Positive Controls: FC : anti-CD3/CD28 treated mouse splenocytes,
Species Specificity: mouse	

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:

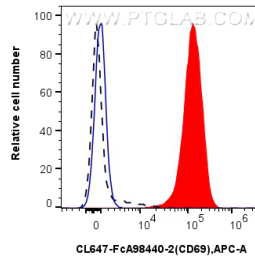
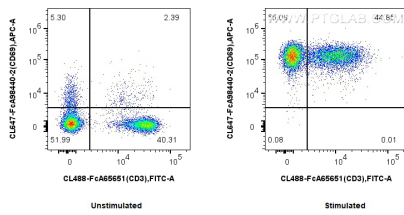
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ untreated or anti-CD3/CD28 treated mouse splenocytes were surface stained with FcZero-rAb® CoraLite® Plus 488 Anti-Mouse CD3e and 0.25 ug CoraLite® Plus 647 Anti-Mouse CD69 Rabbit RecAb (CL647-FcA98440-2, Clone: 250269C11). Cells were not fixed.

1x10⁶ anti-CD3/CD28 treated mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 647 Anti-Mouse CD69 Rabbit RecAb (CL647-FcA98440-2, Clone: 250269C11) (red) or 0.25 ug FcZero-rAb® CoraLite® Plus 647 Rabbit IgG Isotype Control Recombinant Antibody (CL647-FcA98136, Clone: 240953C9) (blue). 1x10⁶ untreated mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 647 Anti-Mouse CD69 Rabbit RecAb (CL647-

