

For Research Use Only

CoraLite® Plus 488 Anti-Mouse CD69 (H1.2F3)



Catalog Number: **CL488-65105**

Basic Information

Catalog Number:

CL488-65105

Size:

100ug, 0.5 mg/ml

Source:

Armenian Hamster

Isotype:

IgG

GenBank Accession Number:

BC106997

GeneID (NCBI):

12515

Full Name:

CD69 antigen

Purification Method:

Affinity purification

CloneNo.:

H1.2F3

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

FC

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 0.1% sodium azide and 0.5% BSA, pH 7.3.

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

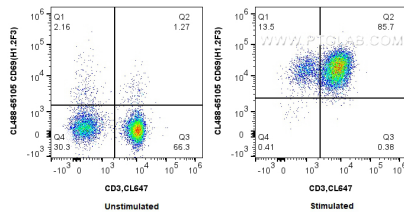
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ anti-CD3/CD28 treated (2 days) BALB/C mouse splenocytes were surface stained with CoraLite® Plus 647 Anti-Mouse CD3 (17A2) and 0.5 ug CoraLite® Plus 488 Anti-Mouse CD69 (CL488-65105, Clone: H1.2F3) or 0.5 ug CoraLite® Plus 488 Armenian Hamster IgG Isotype Control (PIP) (CL488-65210, Clone: PIP). Cells were not fixed.