

For Research Use Only

CoraLite® Plus 555 Anti-Mouse CD69 (H1.2F3)



Catalog Number: **CL555-65105**

Basic Information

Catalog Number:

CL555-65105

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:

554 nm / 570 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 0.09% sodium azide.

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

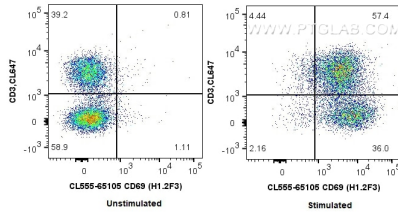
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com

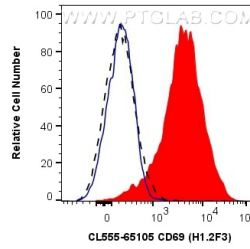
W: ptglab.com

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Selected Validation Data



1X10⁶ unstimulated or anti-CD3/CD28-stimulated mouse splenocytes were surface co-stained with CoraLite® Plus 647 Anti-Mouse CD3 (17A2) and 0.5 ug CoraLite® Plus 555 Anti-Mouse CD69 (CL555-65105, Clone:H1.2F3) or 0.5 ug Isotype Control. Cells were not fixed.



1X10⁶ anti-CD3/CD28-stimulated mouse splenocytes were surface stained with 0.5 ug CoraLite® Plus 555 Anti-Mouse CD69 (CL555-65105, Clone:H1.2F3) (red), or 0.5 ug Isotype Control (blue). The black dashed line indicates unstimulated mouse splenocytes surface stained with 0.5 ug CoraLite® Plus 555 Anti-Mouse CD69 (CL555-65105, Clone:H1.2F3). Cells were not fixed.