

For Research Use Only

APC Anti-Mouse CD69 (H1.2F3)

Catalog Number: APC-65105

1 Publications



Basic Information

Catalog Number:

APC-65105

Size:

100ug, 0.2 mg/ml

Source:

Armenian Hamster

Isotype:

IgG

GenBank Accession Number:

BC106997

GeneID (NCBI):

12515

UNIPROT ID:

P37217

Full Name:

CD69 antigen

Purification Method:

Affinity purification

CloneNo.:

H1.2F3

Excitation/Emission maxima wavelengths:

650 nm / 660 nm

Applications

Tested Applications:

FC

Cited Applications:

FC

Species Specificity:

mouse

Cited Species:

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).

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-------------|-----------|---------|-------------|
| Yizhuo Wang | 38354238 | Sci Adv | FC |

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.

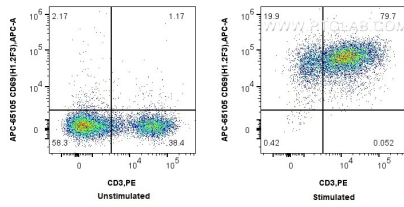
For technical support and original validation data for this product please contact:

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

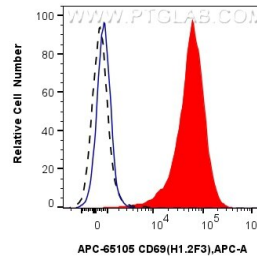
E: proteintech@ptglab.com
W: ptglab.com

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 anti-CD3/CD28 treated (2 days) mouse splenocytes were surface stained with 0.2 ug APC Anti-Mouse CD69 (H1.2F3) (APC-65105, Clone: H1.2F3) and PE Anti-Mouse CD3 (17A2) (PE-65077, Clone: 17A2). Cells were not fixed.



1x10⁶ anit-CD3/CD28 treated (2 days) mouse splenocytes were surface stained with 0.2 ug APC Anti-Mouse CD69 (H1.2F3) (APC-65105, Clone: H1.2F3) (red) or 0.2 ug APC Armenian Hamster IgG Isotype Control (PIP) (APC-65210, Clone: PIP) (blue). 1x10⁶ untreated mouse splenocytes were surface stained with 0.2 ug APC Anti-Mouse CD69 (H1.2F3) (APC-65105, Clone: H1.2F3) (black, dashed). Cells were not fixed.