

For Research Use Only

# CoraLite® Plus 647 Anti-Human CD69 Rabbit Recombinant Antibody

Catalog Number: CL647-98173



## Basic Information

Catalog Number:

CL647-98173

Size:

100 tests, 5 ul/test

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_001781.2

GeneID (NCBI):

969

UNIPROT ID:

Q07108

Full Name:

CD69 molecule

Calculated MW:

23 kDa

Purification Method:

Protein A purification

CloneNo.:

241552F1

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

## Applications

Tested Applications:

FC

Species Specificity:

human

## 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.

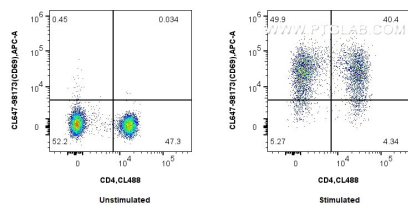
For technical support and original validation data for this product please contact:

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

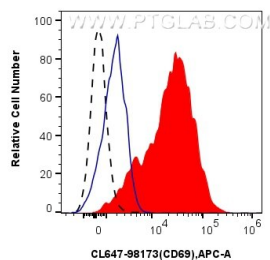
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

## Selected Validation Data



1x10<sup>6</sup> untreated or PHA treated human PBMCs were surface stained with CoraLite® Plus 488 Anti-Human CD4 Rabbit Recombinant Antibody (CL488-98042, Clone: 240427E12) and 5 ul CoraLite® Plus 647 Anti-Human CD69 Rabbit Recombinant Antibody (CL647-98173, Clone: 241552F1). Cells were not fixed.



1x10<sup>6</sup> PHA treated human PBMCs were surface stained with 5 ul CoraLite® Plus 647 Anti-Human CD69 Rabbit Recombinant Antibody (CL647-98173, Clone:241552F1) (red) or CoraLite® Plus 647 Rabbit IgG Isotype Control Recombinant Antibody (CL647-98136, Clone: 240953C9) (blue). 1x10<sup>6</sup> untreated human PBMCs were surface stained with 5 ul CoraLite® Plus 647 Anti-Human CD69 Rabbit Recombinant Antibody (CL647-98173, Clone:241552F1)

