

For Research Use Only

# PerCP-Cyanine5.5 Anti-Mouse CD69 Rabbit Recombinant Antibody

Catalog Number:CPY5-98440-2



## Basic Information

Catalog Number:

CPY5-98440-2

Size:

100ug , 200 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG3835

GenBank Accession Number:

NM\_001033122.3

GeneID (NCBI):

12515

UNIPROT ID:

P37217

Full Name:

CD69 antigen

Calculated MW:

23 kDa

Purification Method:

Protein A purification

CloneNo.:

250269C11

Recommended Dilutions:

FC: 0.25 ug per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

482 nm / 690nm

## Applications

Tested Applications:

FC

Species Specificity:

mouse

Positive Controls:

FC : CD3/CD28 treated mouse splenocytes,

## 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 and 0.5% BSA, pH7.3

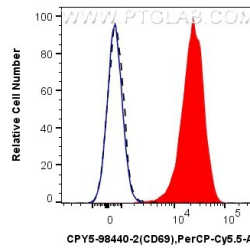
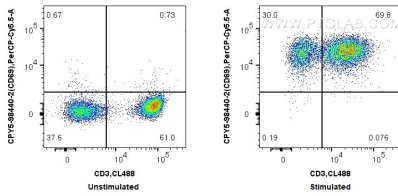
For technical support and original validation data for this product please contact:

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## Selected Validation Data



1x10<sup>6</sup> untreated or CD3/CD28 treated mouse splenocytes were surface stained with CoraLite® Plus 488 Anti-Mouse CD3, and 0.25 ug PerCP-Cyanine5.5 Anti-Mouse CD69 Rabbit RecAb (CPY5-98440-2, Clone:250269C11). Cells were not fixed.

1x10<sup>6</sup> CD3/CD28 treated mouse splenocytes were surface stained with 0.25 ug PerCP-Cyanine5.5 Anti-Mouse CD69 Rabbit RecAb (CPY5-98440-2, Clone:250269C11) (red) or PerCP-Cyanine5.5 Rabbit IgG Isotype Control Recombinant Antibody (CPY5-98136, Clone: 240953C9) (blue), or 1x10<sup>6</sup> untreated mouse splenocytes were surface stained with 0.25 ug PerCP-Cyanine5.5 Anti-Mouse CD69 Rabbit RecAb (CPY5-98440-2,

