

For Research Use Only

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

Catalog Number:CPY5-98440-2



## Basic Information

<b>Catalog Number:</b> CPY5-98440-2	<b>GenBank Accession Number:</b> NM_001033122.3	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 100ug, 200 ug/ml	<b>GeneID (NCBI):</b> 12515	<b>CloneNo.:</b> 250269C11
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P37217	<b>Recommended Dilutions:</b> FC: 0.25 ug per 10 <sup>6</sup> cells in a 100 µl suspension
<b>Isotype:</b> IgG	<b>Full Name:</b> CD69 antigen	<b>Excitation/Emission maxima wavelengths:</b> 482 nm / 690nm
<b>Immunogen Catalog Number:</b> EG3835	<b>Calculated MW:</b> 23 kDa	

## Applications

<b>Tested Applications:</b> FC	<b>Positive Controls:</b> FC : CD3/CD28 treated mouse splenocytes,
<b>Species Specificity:</b> 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 and 0.5% BSA, pH7.3

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

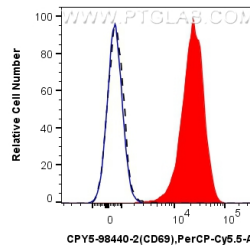
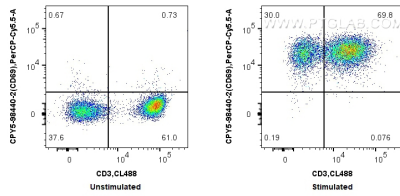
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## Selected Validation Data



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,

