

For Research Use Only

# FcZero-rAb® PE-Cyanine7 Anti-Mouse CD69 Rabbit Recombinant Antibody

Catalog Number: PY7-FcA98440-2



## Basic Information

Catalog Number:

PY7-FcA98440-2

Concentration:

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

Excitation/Emission maximum wavelengths:

496 nm, 565 nm / 778 nm

## Applications

Tested Applications:

FC

Species Specificity:

mouse

Positive Controls:

FC : anti-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:

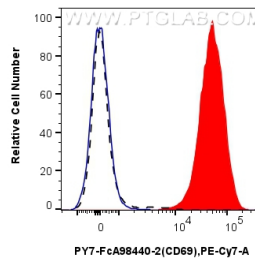
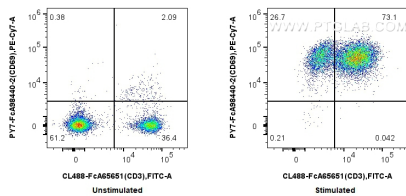
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## Selected Validation Data



$1 \times 10^6$  untreated or anti-CD3/CD28 treated mouse splenocytes were surface stained with FcZero-rAb® CoraLite® Plus 488 Anti-Mouse CD3e and 0.1 ug PE-Cyanine7 Anti-Mouse CD69 Rabbit RecAb (PY7-FcA98440-2, Clone: 250269C11). Cells were incubated with MonoZero™ Monocytes blocking Reagent (PF00020) prior to staining. Cells were not fixed.

$1 \times 10^6$  anti-CD3/CD28 treated mouse splenocytes were surface stained with 0.1 ug PE-Cyanine7 Anti-Mouse CD69 Rabbit RecAb (PY7-FcA98440-2, Clone: 250269C11) (red) or FcZero-rAb® PE-Cyanine7 Rabbit IgG Isotype Control Recombinant Antibody (PY7-FcA98136, Clone: 240953C9) (blue).  $1 \times 10^6$  untreated mouse splenocytes were surface stained with 0.1 ug PE-Cyanine7 Anti-Mouse CD69 Rabbit RecAb (PY7-FcA98440-2, Clone: 250269C11) (black, dashed). Cells were

