

For Research Use Only

# FcZero-rAb® CoraLite® Plus 594 Anti-Mouse CD69 Rabbit Recombinant Antibody

Catalog Number: CL594-FcA98440-2



## Basic Information

|                                            |                                                    |                                                                                               |
|--------------------------------------------|----------------------------------------------------|-----------------------------------------------------------------------------------------------|
| <b>Catalog Number:</b><br>CL594-FcA98440-2 | <b>GenBank Accession Number:</b><br>NM_001033122.3 | <b>Purification Method:</b><br>Protein A purification                                         |
| <b>Size:</b><br>100ug , 500 ug/ml          | <b>GeneID (NCBI):</b><br>12515                     | <b>CloneNo.:</b><br>250269C11                                                                 |
| <b>Source:</b><br>Rabbit                   | <b>UNIPROT ID:</b><br>P37217                       | <b>Recommended Dilutions:</b><br>FC: 0.25 ug per 10 <sup>6</sup> cells in a 100 µl suspension |
| <b>Isotype:</b><br>IgG                     | <b>Full Name:</b><br>CD69 antigen                  | <b>Excitation/Emission maxima wavelengths:</b><br>588 nm / 604 nm                             |
| <b>Immunogen Catalog Number:</b><br>EG3835 | <b>Calculated MW:</b><br>23 kDa                    |                                                                                               |

## Applications

|                                      |                                                                            |
|--------------------------------------|----------------------------------------------------------------------------|
| <b>Tested Applications:</b><br>FC    | <b>Positive Controls:</b><br>FC : anti-CD3/CD28 treated mouse splenocytes, |
| <b>Species Specificity:</b><br>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).

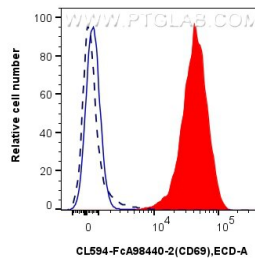
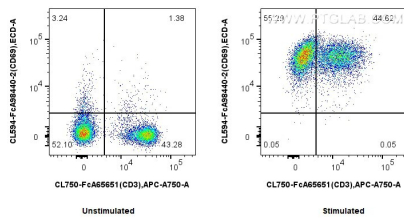
## Storage

**Storage:**  
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.09% sodium azide, pH7.3

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)  
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## Selected Validation Data



1x10<sup>6</sup> untreated or anti-CD3/CD28 treated mouse splenocytes were surface stained with FcZero-rAb® CoraLite® Plus 750 Anti-Mouse CD3e and 0.25 ug CoraLite® Plus 594 Anti-Mouse CD69 Rabbit RecAb (CL594-FcA98440-2, Clone: 250269C11). Cells were not fixed.

1x10<sup>6</sup> anti-CD3/CD28 treated mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 594 Anti-Mouse CD69 Rabbit RecAb (CL594-FcA98440-2, Clone: 250269C11) (red) or 0.25 ug FcZero-rAb® CoraLite® Plus 750 Anti-Mouse CD3e (145-2C11) Rabbit Recombinant Antibody (CL750-FcA65651, Clone: 145-2C11) (blue). 1x10<sup>6</sup> untreated mouse splenocytes were surface stained with 0.25 ug CoraLite® Plus 594 Anti-Mouse CD69 Rabbit RecAb (CL594-

