

For Research Use Only

# CoraLite®594 Anti-Mouse CD69 (H1.2F3)



Catalog Number:CL594-65105

## Basic Information

<b>Catalog Number:</b> CL594-65105	<b>GenBank Accession Number:</b> BC106997	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100ug, 0.5 mg/ml	<b>GeneID (NCBI):</b> 12515	<b>CloneNo.:</b> H1.2F3
<b>Source:</b> Armenian Hamster	<b>Full Name:</b> CD69 antigen	<b>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm
<b>Isotype:</b> IgG		

## Applications

**Tested Applications:**  
FC  
**Species Specificity:**  
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.

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

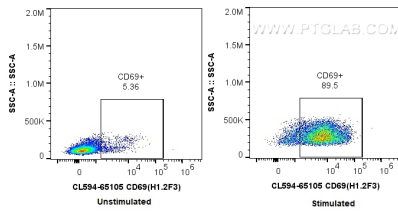
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

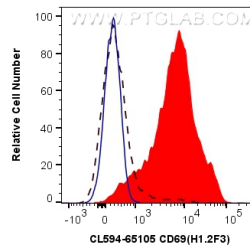
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1X10<sup>6</sup> unstimulated or anti-CD3/CD28-stimulated mouse splenocytes were surface stained with 0.5 ug CoraLite®594 Anti-Mouse CD69 (CL594-65105, Clone: H1.2F3). Cells were not fixed.



1X10<sup>6</sup> Anti-CD3/CD28-stimulated mouse splenocytes were surface stained with 0.5 ug CoraLite®594 Anti-Mouse CD69 (CL594-65105, Clone: H1.2F3) (red), or 0.5 ug Isotype Control (blue). The black dashed line indicates unstimulated mouse splenocytes surface stained with 0.5 ug CoraLite®594 Anti-Mouse CD69 (CL594-65105, Clone: H1.2F3). Cells were not fixed.