

**CD69 Antibody**  
**Purified Mouse Monoclonal Antibody**  
**Catalog # AO1374a****Specification**

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**CD69 Antibody - Product Information**

Application	WB, IHC, FC, ICC, IF
Primary Accession	<a href="#">Q07108</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	22.5kDa KDa

**Description**

Involved in lymphocyte proliferation and functions as a signal transmitting receptor in lymphocytes, natural killer (NK) cells, and platelets Subcellular location: Membrane, Single-pass type II membrane protein Tissue specificity: Expressed on the surface of activated T-cells, B-cells, natural killer cells, neutrophils, eosinophils, epidermal Langerhans cells and platelets Sequence similarities: Contains 1 C-type lectin domain.

**Immunogen**

Purified recombinant fragment of human CD69 expressed in E. Coli.

**Formulation**

Ascitic fluid containing 0.03% sodium azide. <br />

**CD69 Antibody - Additional Information**

**Gene ID** 969

**Other Names**

Early activation antigen CD69, Activation inducer molecule, AIM, BL-AC/P26, C-type lectin domain family 2 member C, EA1, Early T-cell activation antigen p60, GP32/28, Leukocyte surface antigen Leu-23, MLR-3, CD69, CLEC2C

**Dilution**

WB~~1/500 - 1/2000  
IHC~~1/200 - 1/1000  
FC~~1/200 - 1/400  
ICC~~1:200~~1000

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

CD69 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## CD69 Antibody - Protein Information

**Name** CD69

**Synonyms** CLEC2C

### Function

Involved in lymphocyte proliferation and functions as a signal transmitting receptor in lymphocytes, natural killer (NK) cells, and platelets.

### Cellular Location

Membrane; Single-pass type II membrane protein.

### Tissue Location

Expressed on the surface of activated T-cells, B- cells, natural killer cells, neutrophils, eosinophils, epidermal Langerhans cells and platelets

## CD69 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## CD69 Antibody - Images

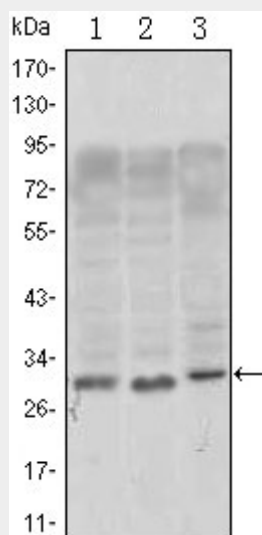


Figure 1: Western blot analysis using CD69 mouse mAb against, Jurkat (1), L1210 (2) and TPH-1 (3) cell lysate.

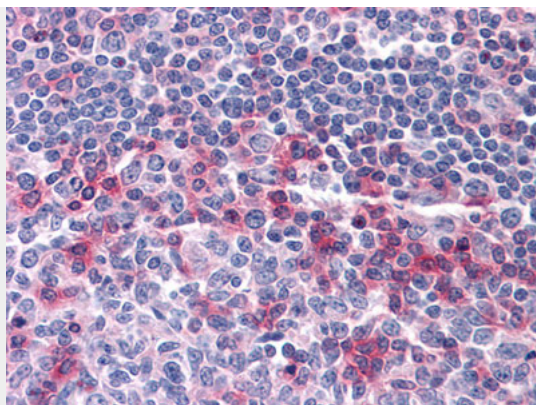


Figure 2: Immunohistochemical analysis of paraffin-embedded human Tonsil tissues using anti-CD69 mouse mAb

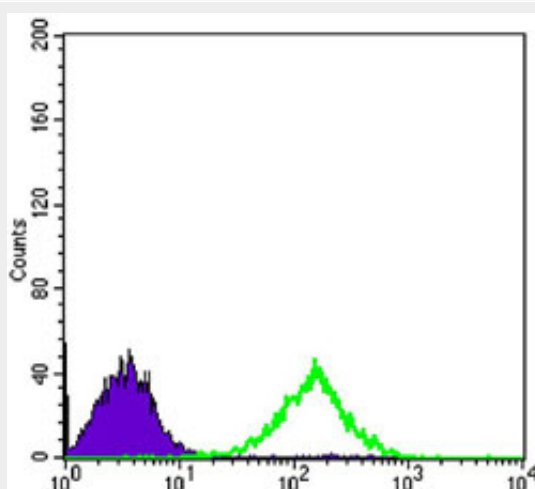


Figure 3: Flow cytometric analysis of Jurkat cells using CD69 mouse mAb (green) and negative control (purple).

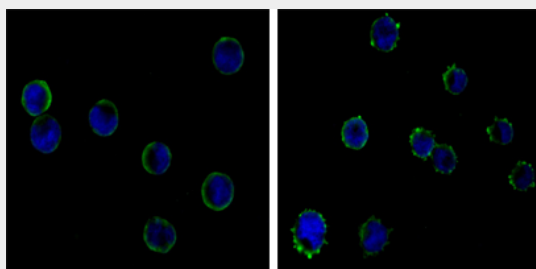


Figure 2: Immunofluorescence analysis of HL-60(left) and K562 (right) cells using CD19 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.

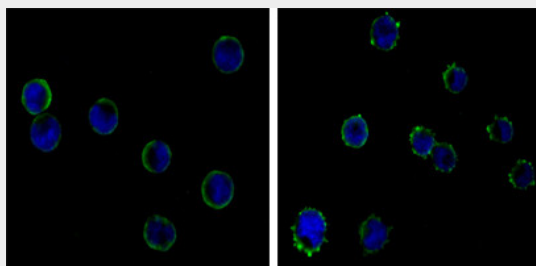


Figure 2:Immunofluorescence analysis of HL-60(left) and K562(right) cells using CD19 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.

**CD69 Antibody - References**

1. EMBO J. 1997 Feb 17;16(4):673-84. 2. Cell Immunol. 2002 Nov;220(1):20-9. 3. Arch Biochem Biophys. 2005 Jun 1;438(1):11-20.