

## CD69 Monoclonal Antibody

<b>Catalog No :</b>	YM0131
<b>Reactivity :</b>	Human
<b>Applications :</b>	WB;IHC;IF;FCM;ELISA
<b>Target :</b>	CD69
<b>Gene Name :</b>	CD69
<b>Protein Name :</b>	Early activation antigen CD69
<b>Human Gene Id :</b>	969
<b>Human Swiss Prot No :</b>	Q07108
<b>Mouse Swiss Prot No :</b>	P37217
<b>Immunogen :</b>	Purified recombinant fragment of human CD69 expressed in E. Coli.
<b>Specificity :</b>	CD69 Monoclonal Antibody detects endogenous levels of CD69 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Monoclonal, Mouse
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:200 - 1:1000. Flow cytometry: 1:200 - 1:400. ELISA: 1:10000.. IF 1:50-200
<b>Purification :</b>	Affinity purification
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	23kD
<b>P References :</b>	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.

## Background :

This gene encodes a member of the calcium dependent lectin superfamily of type II transmembrane receptors. Expression of the encoded protein is induced upon activation of T lymphocytes, and may play a role in proliferation. Furthermore, the protein may act to transmit signals in natural killer cells and platelets. [provided by RefSeq, Aug 2011],

## Function :

developmental stage:Earliest inducible cell surface glycoprotein acquired during lymphoid activation.,function:Involved in lymphocyte proliferation and functions as a signal transmitting receptor in lymphocytes, natural killer (NK) cells, and platelets.,induction:By antigens, mitogens or activators of PKC on the surface of T and B-lymphocytes. By interaction of IL-2 with the p75 IL-2R on the surface of NK cells.,online information:CD69,PTM:Constitutive Ser/Thr phosphorylation in both mature thymocytes and activated T-lymphocytes.,similarity:Contains 1 C-type lectin domain.,subunit:Homodimer; disulfide-linked.,tissue specificity:Expressed on the surface of activated T-cells, B-cells, natural killer cells, neutrophils, eosinophils, epidermal Langerhans cells and platelets.,

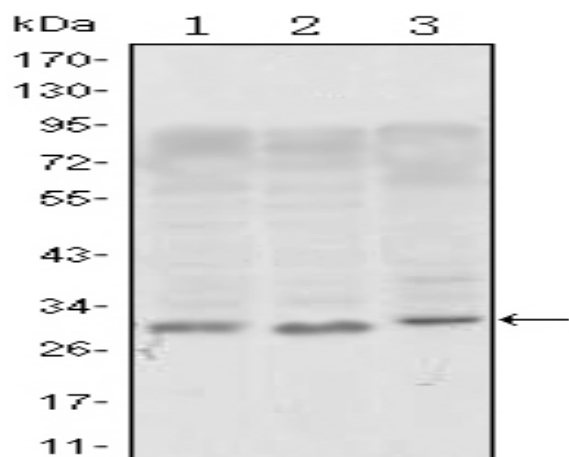
## Subcellular Location :

Membrane; Single-pass type II membrane protein.

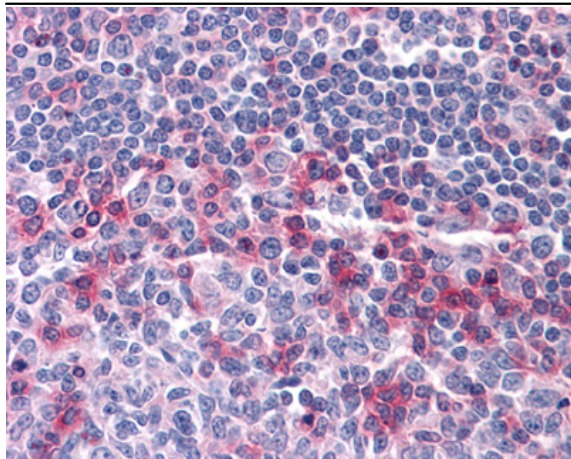
## Expression :

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

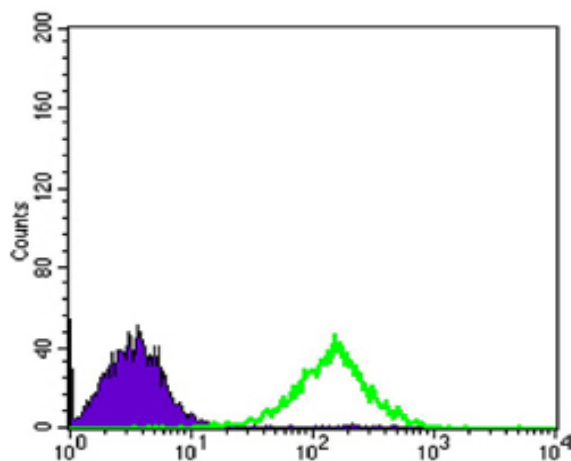
## Products Images



Western Blot analysis using CD69 Monoclonal Antibody against, Jurkat (1), L1210 (2) and TPH-1 (3) cell lysate.



Immunohistochemistry analysis of paraffin-embedded human Tonsil tissues with AEC staining using CD69 Monoclonal Antibody.



Flow cytometric analysis of Jurkat cells using CD69 Monoclonal Antibody (green) and negative control (purple).