



CD69 Monoclonal Antibody

Catalog No	YP-Ab-13806
Isotype	IgG
Reactivity	Human
Applications	WB;IHC;IF;FCM;ELISA
Gene Name	CD69
Immunogen	Purified recombinant fragment of human CD69 expressed in E. Coli.
Specificity	CD69 Monoclonal Antibody detects endogenous levels of CD69 protein.
Formulation	Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	WB: 1/500 - 1/2000. IHC: 1/200 - 1/1000. Flow cytometry: 1/200 - 1/400. ELISA: 1/10000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Activation inducer molecule;AIM;BL AC/P26;CD69;CD69 molecule;CLEC2C; EA1;Early activation antigen CD69;GP32/28;MLR 3;BL-AC/P26;C-type lectin domain family 2 member C;Early T-cell activation antigen p60;Leukocyte surface antigen Leu-23;MLR-3;CD antigen CD69
Observed Band	
Calculated Molecular Weight	
Cell Pathway	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.
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.,

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],

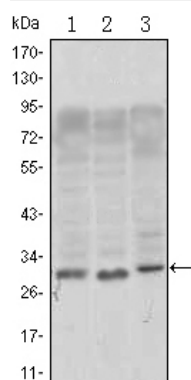
matters needing attention

Avoid repeated freezing and thawing!

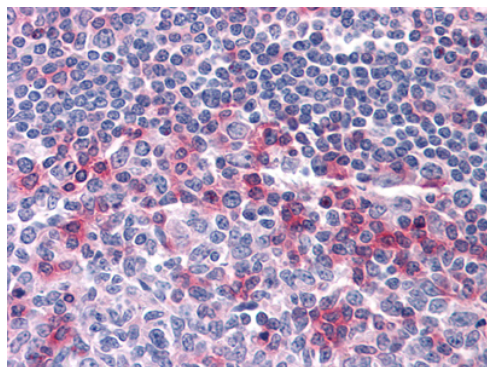
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

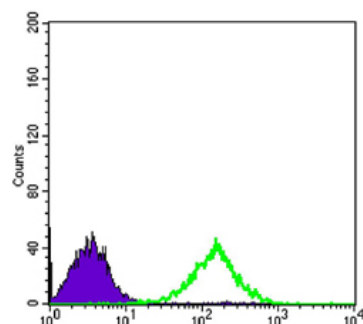
Products Images



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).