



Integrin α L Monoclonal Antibody

Catalog No	YP-mAb-17096
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	ITGAL
Immunogen	The antiserum was produced against synthesized peptide derived from the Internal region of human ITGAL. AA range:171-220
Specificity	Integrin α L Monoclonal Antibody detects endogenous levels of Integrin α L protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	$\geq 90\%$
Storage Stability	-20°C/1 year
Synonyms	Lymphocyte function associated antigen;type 1;alpha subunit;Antigen CD11A (p18);lymphocyte function associated antigen 1;alpha polypeptide;Antigen CD11A;CD 11a;CD11 antigen-like family member A;CD11a;CD11a antigen; Integrin Alpha L;Integrin alpha-L;Integrin gene promoter;Integrin;alpha L (antigen CD11A (p18);alpha polypeptide);ITAL_HUMAN;Itgal;ITGAL protein; Leukocyte adhesion glycoprotein LFA 1 alpha chain;Leukocyte adhesion glycoprotein LFA-1 alpha chain;Leukocyte Adhesion Glycoprotein LFA1 Alpha Chain;Leukocyte function associated molecule 1 alpha chain;Leukocyte function-associated molecule 1 alpha chain;LFA 1 alpha (LFA1A);LFA 1 alpha;LFA 1; LFA 1A;LFA-1A;LFA1A;Ly15;Ly21;Lymphocyte Function Associated Antigen Type 1 alpha;lymphocyte function-associated antigen 1;p18;Integrin α L
Observed Band	130kD
Calculated Molecular Weight	130kD
Cell Pathway	Cell membrane ; Single-pass type I membrane protein .
Tissue Specificity	Leukocytes.



Function

domain:The integrin I-domain (insert) is a VWFA domain. Integrins with I-domains do not undergo protease cleavage.,function:Integrin alpha-L/beta-2 is a receptor for ICAM1, ICAM2, ICAM3 and ICAM4. It is involved in a variety of immune phenomena including leukocyte-endothelial cell interaction, cytotoxic T-cell mediated killing, and antibody dependent killing by granulocytes and monocytes.,similarity:Belongs to the integrin alpha chain family.,similarity:Contains 1 VWFA domain.,similarity:Contains 7 FG-GAP repeats.,subunit:Heterodimer of an alpha and a beta subunit. Alpha-L associates with beta-2.,tissue specificity:Leukocytes.,

Background

integrin subunit alpha L(ITGAL) Homo sapiens ITGAL encodes the integrin alpha L chain. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This I-domain containing alpha integrin combines with the beta 2 chain (ITGB2) to form the integrin lymphocyte function-associated antigen-1 (LFA-1), which is expressed on all leukocytes. LFA-1 plays a central role in leukocyte intercellular adhesion through interactions with its ligands, ICAMs 1-3 (intercellular adhesion molecules 1 through 3), and also functions in lymphocyte costimulatory signaling. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008],

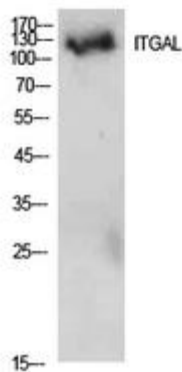
matters needing attention

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 of various cells using Integrin α L Monoclonal Antibody