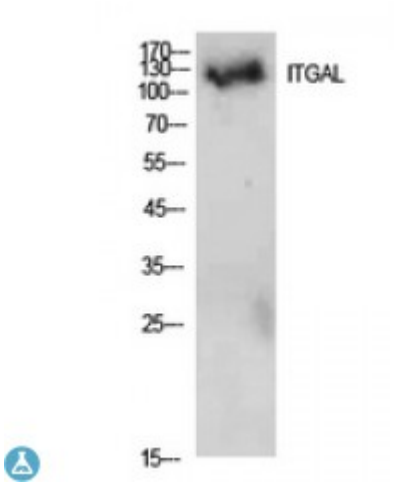
Anti-Integrin alpha antibody



Description	Rabbit polyclonal to Integrin alphaL.

Model	STJ97273
Host	Rabbit
Reactivity	Human
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human Integrin alphaL.
Immunogen Region	171-220 aa, Internal
Gene ID	3683
Gene Symbol	ITGAL
Dilution range	WB 1:500-1:2000ELISA 1:10000
Specificity	Integrin alphaL Polyclonal Antibody detects endogenous levels of Integrin alphaL protein.
Tissue Specificity	Leukocytes.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Integrin alpha-L CD11 antigen-like family member A Leukocyte adhesion glycoprotein LFA-1 alpha chain LFA-1A Leukocyte function-associated molecule 1 alpha chain CD antigen CD11a
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:6148OMIM:153370
Alternative Names	Integrin alpha-L CD11 antigen-like family member A Leukocyte adhesion glycoprotein LFA-1 alpha chain LFA-1A Leukocyte function-associated molecule 1 alpha chain CD antigen CD11a
Function	Integrin alpha-L/beta-2 is a receptor for ICAM1, ICAM2, ICAM3 and ICAM4. Integrin alpha-L/beta-2 is also a receptor for F11R . 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. Contributes to natural killer cell cytotoxicity . Involved in leukocyte adhesion and transmigration of leukocytes including T-cells and neutrophils . Required for generation of common lymphoid progenitor cells in bone marrow, indicating a role in lymphopoiesis . Integrin alpha-L/beta-2 in association with ICAM3, contributes to apoptotic neutrophil phagocytosis by macrophages .
Sequence and Domain Family	The integrin I-domain (insert) is a VWFA domain . Integrins with I-domains do not undergo protease cleavage. The I-domain is necessary and sufficient for interaction with ICAM1 and F11R .
Cellular Localization	Cell membrane
Post-translational Modifications	In resting T-cells, up to 40% of surface ITGAL is constitutively phosphorylated. Phosphorylation causes conformational changes needed for ligand binding and is necessary for activation by some physiological agents.