

CD11b (PN0595) Nb-FC recombinant antibody

Catalog No :	YA0047
Reactivity :	Human
Applications :	ELISA
Target :	CD11b
Gene Name :	ITGAM CD11B CR3A
Protein Name :	Integrin alpha-M (CD11 antigen-like family member B) (CR-3 alpha chain) (Cell surface glycoprotein MAC-1 subunit alpha) (Leukocyte adhesion receptor MO1) (Neutrophil adherence receptor) (CD antigen CD
Human Gene Id :	3684
Human Swiss Prot No :	P11215
Immunogen :	Purified recombinant Human CD11b
Specificity :	This recombinant monoclonal antibody can detects endogenous levels of CD11b protein.
Formulation :	Phosphate-buffered solution
Source :	Camel, chimeric fusion of Nanobody (VHH) and mouse IgG1 Fc domain , recombinantly produced from 293F cell
Dilution :	ELISA 1:5000-100000
Purification :	Recombinant Expression and Affinity purified
Concentration :	Please check the information on the tube
Storage Stability :	-15°C to -25°C/1 year(Avoid freeze / thaw cycles)
Cell Pathway :	Cell adhesion molecules (CAMs);Hematopoietic cell lineage;Leukocyte transendothelial migration;Regulates Actin and Cytoskeleton;

Background : integrin subunit alpha M(ITGAM) Homo sapiens This gene encodes the integrin alpha M 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 a leukocyte-specific integrin referred to as macrophage receptor 1 ('Mac-1'), or inactivated-C3b (iC3b) receptor 3 ('CR3'). The alpha M beta 2 integrin is important in the adherence of neutrophils and monocytes to stimulated endothelium, and also in the phagocytosis of complement coated particles. Multiple transcript variants encoding different isoforms have been found for This gene. [provided by RefSeq, Mar 2009]

Function : disease:Genetic variations in ITGAM has been associated with susceptibility to systemic lupus erythematosus type 6 (SLEB6) [MIM:609939]. Systemic lupus erythematosus (SLE) is a chronic, inflammatory and often febrile multisystemic disorder of connective tissue. It affects principally the skin, joints, kidneys and serosal membranes. It is thought to represent a failure of the regulatory mechanisms of the autoimmune system., domain:The integrin I-domain (insert) is a VWFA domain. Integrins with I-domains do not undergo protease cleavage., Integrin alpha-M/beta-2 is implicated in various adhesive interactions of monocytes, macrophages and granulocytes as well as in mediating the uptake of complement-coated particles. It is identical with CR-3, the receptor for the iC3b fragment of the third complement component. It probably recognizes the R-G-D peptide in C3b. Integrin alpha-M/beta-2 is also

Subcellular Location : Cell membrane ; Single-pass type I membrane protein . Membrane raft ; Single-pass type I membrane protein .

Expression : Predominantly expressed in monocytes and granulocytes (PubMed:1346576). Expressed in neutrophils (at protein level) (PubMed:2119347).

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