

CD64 (PN0651) Nb-FC recombinant antibody

Catalog No :	YA0653
Reactivity :	Human
Applications :	FCM;ELISA
Target :	CD64
Fields :	>>Phagosome;>>Osteoclast differentiation;>>Neutrophil extracellular trap formation;>>Hematopoietic cell lineage;>>Fc gamma R-mediated phagocytosis;>>Leishmaniasis;>>Staphylococcus aureus infection;>>Tuberculosis;>>Transcriptional misregulation in cancer;>>Acute myeloid leukemia;>>Systemic lupus erythematosus
Gene Name :	FCGR1A FCG1 FCGR1 IGFR1
Protein Name :	High affinity immunoglobulin gamma Fc receptor I (IgG Fc receptor I) (Fc-gamma RI) (FcRI) (Fc-gamma R1A) (FcgammaR1a) (CD antigen CD64)
Human Gene Id :	2209
Human Swiss Prot No :	P12314
Mouse Gene Id :	14129
Mouse Swiss Prot No :	P26151
Immunogen :	Purified recombinant human CD64
Specificity :	This recombinant monoclonal antibody can detects endogenous levels of CD64 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;FCM 1-2µg/Test

Purification :	Recombinant Expression and Affinity purified
Concentration :	Please check the information on the tube
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	45kD
Cell Pathway :	Hematopoietic cell lineage;Fc gamma R-mediated phagocytosis;Systemic lupus erythematosus;
Background :	This gene encodes a protein that plays an important role in the immune response. This protein is a high-affinity Fc-gamma receptor. The gene is one of three related gene family members located on chromosome 1. [provided by RefSeq, Jul 2008],
Function :	function:High affinity receptor for the Fc region of immunoglobulins gamma. Functions in both innate and adaptive immune responses.,online information:FCGR1A mutation db,PTM:N-glycosylated.,PTM:Phosphorylated on serine residues.,similarity:Belongs to the immunoglobulin superfamily. FCGR1 family.,similarity:Contains 3 Ig-like C2-type (immunoglobulin-like) domains.,subcellular location:Stabilized at the cell membrane through interaction with FCER1G.,subunit:Interacts with FCERG1; forms a functional signaling complex. Interacts with FLNA; prevents FCGR1A degradation. Interacts with EPB41L2, LAT and PPL.,tissue specificity:Monocyte/macrophage specific.,
Subcellular Location :	Cell membrane ; Single-pass type I membrane protein . Stabilized at the cell membrane through interaction with FCER1G.
Expression :	Monocyte/macrophage specific.

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