CD16 (PN0398) Nb-FC recombinant antibody

CatalogNo: YA0651 Recombinant

Key Features

Reactivity
- Human

Applications
- FC,ELISA

MW
- 45kD (Observed)

Recommended Dilution Ratios

ELISA 1:5000-100000
Flow Cyt 1-2μg/Test

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Phosphate-buffered solution

Basic Information

Source	Camel, chimeric fusion of Nanobody (VHH) and mouse IgG1 Fc domain , recombinantly produced from 293F cell
Purification	Camel, chimeric fusion of Nanobody (VHH) and mouse IgG1 Fc domain , recombinantly produced from 293F cell
Clone Number	PN0398

Immunogen Information

Immunogen	Purified recombinant Human CD16
Specificity	This recombinant monoclonal antibody can detects endogenous levels of CD16 protein.

Target Information

Gene name FCGR3A CD16A FCG3 FCGR3 IGFR3

Protein Name Low affinity immunoglobulin gamma Fc region receptor III-A (IgG Fc receptor III-A) (CD16-II) (CD16a antigen) (Fc-gamma RIII-alpha) (Fc-gamma RIII) (Fc-gamma RIIIa) (FcRIII) (FcRIIIa) (FcgammaRIIIA) (FcR-10) (IgG Fc receptor III-2) (CD antigen CD16a)

Organism	Gene ID	UniProt ID
Human	2209;	P08637;
Mouse	14129;	P26151;

Cellular Localization Cell membrane ; Single-pass type I membrane protein . Secreted . Exists also as a soluble receptor. .

Tissue specificity Monocyte/macrophage specific.

Function Receptor for the Fc region of IgG. Binds complexed or aggregated IgG and also monomeric IgG. Mediates antibody-dependent cellular cytotoxicity (ADCC) and other antibody-dependent responses, such as phagocytosis.,miscellaneous:Encoded by one of two nearly indentical genes: FCGR3A (Shown here) and FCGR3B which are expressed in a tissue-specific manner. The Phe-203 in III-A determines the transmembrane domains whereas the Ser-203 in III-B determines the GPI-anchoring.,online information:FCGR3A mutation db,polymorphism:Isoform Val-157 shows a higher binding capacity of IgG1, IgG3 and IgG4 compared with isoform Phe-157. Alleles Leu-66 and Phe-157, and alleles His-66 / Arg-66 and Val-157 are in linkage desequilibrium.,PTM:Glycosylated. Contains high mannose- and complex-type oligosaccharides.,PTM:The soluble form is produced by a proteolytic cleavage.,similarity:Contains 2 Ig-like C2-type (immunoglobulin-like) domains.,subcellular location:Exists also as a soluble receptor.,subunit:Exists as a hetero-oligomeric receptor complex with Fc epsilon receptor I gamma subunit and / or the CD3 zeta subunit. Interacts with INPP5D/SHIP1.,tissue specificity:Expressed on natural killer cells, macrophages, subpopulation of T-cells, immature thymocytes and placental trophoblasts.,

Validation Data

Contact information

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Please scan the QR code to access additional product information: **CD16 (PN0398) Nb-FC recombinant antibody**