

CD161 (PN0606) Nb-FC recombinant antibody

CatalogNo: YA0624 **Recombinant** 

Key Features

Reactivity

- Human

Applications

- ELISA

Recommended Dilution Ratios

ELISA 1:5000-100000

Storage

Storage* -15°C to -25°C/1 year(Avoid freeze / thaw cycles)**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** PN0606

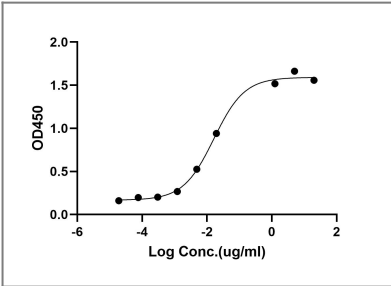
Immunogen Information

Immunogen Purified recombinant Human CD161**Specificity** This recombinant monoclonal antibody can detects endogenous levels of CD161 protein.

Target Information

Gene name	KLRB1 CLEC5B NKR-P1A		
Protein Name	Killer cell lectin-like receptor subfamily B member 1 (C-type lectin domain family 5 member B) (HNKR-P1a) (NKR-P1A) (Natural killer cell surface protein P1A) (CD antigen CD161)		
	Organism	Gene ID	UniProt ID
	Human	3820 ;	Q12918 ;
Cellular Localization	Membrane ; Single-pass type II membrane protein .		
Tissue specificity	Expressed in a subset of NK cells predominantly in intestinal epithelium and liver. Detected in peripheral blood T-cells and preferentially in adult T-cells with a memory antigenic phenotype.		
Function	Plays an inhibitory role on natural killer (NK) cells cytotoxicity. Activation results in specific acid sphingomyelinase/SMPD1 stimulation with subsequent marked elevation of intracellular ceramide. Activation also leads to AKT1/PKB and RPS6KA1/RSK1 kinases stimulation as well as markedly enhanced T-cell proliferation induced by anti-CD3. Acts as a lectin that binds to the terminal carbohydrate Gal-alpha(1,3)Gal epitope as well as to the N-acetylglucosamine epitope. Binds also to CLEC2D/LLT1 as a ligand and inhibits NK cell-mediated cytotoxicity as well as interferon-gamma secretion in target cells.,induction:By IL12 in NK cells.,online information:NKR-P1,PTM:N-glycosylated. Contains sialic acid residues.,similarity:Contains 1 C-type lectin domain.,subunit:Homodimer; disulfide-linked. Interacts with acid sphingomyelinase/SMPD1.,tissue specificity:Expressed in a subset of NK cells predominantly in intestinal epithelium and liver. Detected in peripheral blood T-cells and preferentially in adult T-cells with a memory antigenic phenotype.,		

Validation Data



Contact information

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