

CD314 (PN0262) Nb-FC recombinant antibody

CatalogNo: YA0371 **Recombinant** 

Key Features

Reactivity

- Human

Applications

- ELISA

Storage

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

Formulation Phosphate-buffered solution

Recommended Dilution Ratios

ELISA 1:5000-100000

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 PN0262

Immunogen Information

Immunogen Purified recombinant Human CD314

Specificity This recombinant monoclonal antibody can detects endogenous levels of CD314/NKG2D protein.

Target Information

Gene name KLRK1 D12S2489E NKG2D

Protein Name NKG2-D type II integral membrane protein (Killer cell lectin-like receptor subfamily K member 1) (NK cell receptor D) (NKG2-D-activating NK receptor) (CD antigen CD314)

Organism	Gene ID	UniProt ID
Human	22914 ;	P26718 ;

Cellular Localization Cell membrane ; Single-pass type II membrane protein . Colocalized with HCST on the cell surface.

Tissue specificity Isoform 1: Detected in thymocytes. Isoform 2: Detected in thymocytes. Isoform 3: Detected in thymocytes. Isoform 4: Not detected in thymocytes. Isoform 5: Detected in thymocytes. Isoform 6: Not detected in thymocytes. Isoform 7: Detected in thymocytes. Isoform 8: Not detected in thymocytes.

Function Alternative products:A number of isoforms are produced,Receptor for MICA, MICB, ULBP1, ULBP2, ULBP3 (ULBP2>ULBP1>ULBP3) and ULBP4. Plays a role as a receptor for the recognition of MHC class I HLA-E molecules by NK cells and some cytotoxic T-cells. Involved in the immune surveillance exerted by T- and B-lymphocytes.,miscellaneous:Structurally distinct families of ligands for mouse and human NKG2D receptors have been characterized. They might be orthologs.,online information:NKG-2D,similarity:Contains 1 C-type lectin domain.,subunit:Homodimer. Interacts with DAP10. The interaction with DAP10 is required for NKG2D cell surface expression.,tissue specificity:Natural killer cells. Expressed on essentially all CD56+CD3- NK cells from freshly isolated PBMC. Also detected in gamma-delta cells and CD8+ alpha-beta T-cells. Expressed in interferon-producing killer dendritic cells (IKDCs).,

Validation Data

Contact information

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CD314 (PN0262) Nb-FC recombinant antibody

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