

# CD43 (PN0208) Nb-FC recombinant antibody

CatalogNo: YA0353 **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** PN0208

## Immunogen Information

**Immunogen** Purified recombinant Human CD43

**Specificity** This recombinant monoclonal antibody can detects endogenous levels of CD43 protein.

## Target Information

<b>Gene name</b>	SPN CD43						
<b>Protein Name</b>	Leukosialin (GPL115) (Galactoglycoprotein) (GALGP) (Leukocyte sialoglycoprotein) (Sialophorin) (CD antigen CD43) [Cleaved into: CD43 cytoplasmic tail (CD43-ct) (CD43ct)]						
	<table border="0"> <thead> <tr> <th style="text-align: center;">Organism</th> <th style="text-align: center;">Gene ID</th> <th style="text-align: center;">UniProt ID</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Human</td> <td style="text-align: center;"><a href="#">6693</a>;</td> <td style="text-align: center;"><a href="#">P16150</a>;</td> </tr> </tbody> </table>	Organism	Gene ID	UniProt ID	Human	<a href="#">6693</a> ;	<a href="#">P16150</a> ;
Organism	Gene ID	UniProt ID					
Human	<a href="#">6693</a> ;	<a href="#">P16150</a> ;					
<b>Cellular Localization</b>	Membrane ; Single-pass type I membrane protein . Cell projection, microvillus . Cell projection, uropodium . Localizes to the uropodium and microvilli via its interaction with ERM proteins (EZR, RDX and MSN). . ; [CD43 cytoplasmic tail]: Nucleus . Nucleus, PML body . The sumoylated form localizes to the PML body. .						
<b>Tissue specificity</b>	Cell surface of thymocytes, T-lymphocytes, neutrophils, plasma cells and myelomas.						
<b>Function</b>	Disease:CD43 expression is defective on the T-cells of males with the immunodeficiency Wiskott-Aldrich syndrome. Affected males are susceptible to opportunistic infections and do not respond to polysaccharide antigens, reflecting defects in cytotoxic and helper T-cell functions.,One of the major glycoproteins of thymocytes and T lymphocytes. Plays a role in the physicochemical properties of the T-cell surface and in lectin binding. Presents carbohydrate ligands to selectins. Has an extended rodlike structure that could protrude above the glycocalyx of the cell and allow multiple glycan chains to be accessible for binding. Is a counter receptor for SN/Siglec-1 (By similarity). During T-cell activation is actively removed from the T-cell-APC (antigen-presenting cell) contact site thus suggesting a negative regulatory role in adaptive immune response.,PTM:Glycosylated; has a high content of sialic acid and O-linked carbohydrate structures.,subunit:Interacts with HIPK2 via the cytoplasmic domain.,tissue specificity:Cell surface of thymocytes, T-lymphocytes, neutrophils, plasma cells and myelomas.,						

## Validation Data

## Contact information

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Please scan the QR code to access additional product information:  
**CD43 (PN0208) Nb-FC recombinant antibody**