

## CD54 (PN0120) Nb-FC recombinant antibody

CatalogNo: YA0017 **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** PN0120

### Immunogen Information

**Immunogen** Purified recombinant Human CD54

**Specificity** This recombinant monoclonal antibody can detects endogenous levels of CD54 protein.

### Target Information

<b>Gene name</b>	ICAM1		
<b>Protein Name</b>	Intercellular adhesion molecule 1 (ICAM-1) (Major group rhinovirus receptor) (CD antigen CD54)		
	<b>Organism</b>	<b>Gene ID</b>	<b>UniProt ID</b>
	Human	<a href="#">3383</a> ;	<a href="#">P05362</a> ;
<b>Cellular Localization</b>	Membrane; Single-pass type I membrane protein.		
<b>Tissue specificity</b>	Blood,Kidney,Liver,Melanoma,Plasma		
<b>Function</b>	<p>ICAM proteins are ligands for the leukocyte adhesion protein LFA-1 (integrin alpha-L/beta-2). During leukocyte trans-endothelial migration, ICAM1 engagement promotes the assembly of endothelial apical cups through SGEF and RHOG activation. In case of rhinovirus infection acts as a cellular receptor for the virus.,online information:ICAM-1,online information:Icosahedral capsid structure,online information:Intercellular adhesion molecule entry,polymorphism:Homozygotes with ICAM1-Kalifi Met-56 seem to have an increased risk for cerebral malaria.,PTM:Monoubiquitinated, which is promoted by MARCH9 and leads to endocytosis.,similarity:Belongs to the immunoglobulin superfamily. ICAM family.,similarity:Contains 5 Ig-like C2-type (immunoglobulin-like) domains.,subunit:Homodimer (Probable). Interacts with human herpesvirus 8 MIR2 protein (Probable). Interacts with MUC1 and promotes cell aggregation in epithelial cells. Interacts with SGEF. Binds to coxsackievirus A21 capsid proteins and acts as a receptor for this virus.,</p>		

## Validation Data

## Contact information

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**CD54 (PN0120) Nb-FC recombinant antibody**

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