

CD54 (PN0372) Nb-FC recombinant antibody

CatalogNo: YA0257 **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 PN0372

Immunogen Information

Immunogen Purified recombinant Human CD54

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

Target Information

Gene name ICAM1
Protein Name Intercellular adhesion molecule 1 (ICAM-1) (Major group rhinovirus receptor) (CD antigen CD54)

Organism	Gene ID	UniProt ID
Human	3383 ;	P05362 ;

Cellular Localization Membrane; Single-pass type I membrane protein.

Tissue specificity Placenta,Pooled tissue,Uterine cervix

Function 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.,

| Validation Data

| Contact information

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Please scan the QR code to access additional product information:
CD54 (PN0372) Nb-FC recombinant antibody

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