

## CD166 (PN0377) Nb-FC recombinant antibody

CatalogNo: YA0149 **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** PN0377

### Immunogen Information

**Immunogen** Purified recombinant Human CD166

**Specificity** This recombinant monoclonal antibody can detects endogenous levels of CD166 protein.

### Target Information

<b>Gene name</b>	ALCAM MEMD		
<b>Protein Name</b>	CD166 antigen (Activated leukocyte cell adhesion molecule) (CD antigen CD166)		
	<b>Organism</b>	<b>Gene ID</b>	<b>UniProt ID</b>
	Human	<a href="#">214;</a>	<a href="#">Q13740;</a>
<b>Cellular Localization</b>	Cell membrane ; Single-pass type I membrane protein . Cell projection, axon . Cell projection, dendrite . Detected at the immunological synapse, i.e, at the contact zone between antigen-presenting dendritic cells and T-cells (PubMed:15294938, PubMed:16352806). Colocalizes with CD6 and the TCR/CD3 complex at the immunological synapse (PubMed:15294938). .; [Isoform 3]: Secreted .		
<b>Tissue specificity</b>	Detected on hematopoietic stem cells derived from umbilical cord blood (PubMed:2474813). Detected on lymph vessel endothelial cells, skin and tonsil (PubMed:23169771). Detected on peripheral blood monocytes (PubMed:154873). Detected on monocyte-derived dendritic cells (at protein level) (PubMed:1635286). Detected at low levels in spleen, placenta, liver (PubMed:952422). Expressed by activated T-cells, B-cells, monocytes and thymic epithelial cells (PubMed:7767). Isoform 1 and isoform 3 are detected in vein and artery endothelial cells, astrocytes, keratinocytes and artery smooth muscle cells (PubMed:15496415). Expressed by neurons in the brain. Restricted expression in tumor cell lines. Detected in highly metastasizing melanoma cell lines (PubMed:952422).		
<b>Function</b>	Domain:The CD6 binding site is located in the N-terminal Ig-like domain.,Cell adhesion molecule that binds to CD6. Involved in neurite extension by neurons via heterophilic and homophilic interactions. May play a role in the binding of T- and B-cells to activated leukocytes, as well as in interactions between cells of the nervous system.,similarity:Contains 2 Ig-like V-type (immunoglobulin-like) domains.,similarity:Contains 3 Ig-like C2-type (immunoglobulin-like) domains.,tissue specificity:Spleen, placenta, liver, and weakly in liver. Expressed by activated T-cells, B-cells, monocytes and thymic epithelial cells. Expressed by neurons in the brain. Restricted expression in tumor cell lines. Preferentially expressed in highly metastasizing melanoma cell lines.,		

## Validation Data

## Contact information

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