

CD26 (PN0466) Nb-FC recombinant antibody

CatalogNo: YA0028 **Recombinant** 

Key Features

Reactivity

- Human

Applications

- ELISA,FC

Recommended Dilution Ratios

ELISA 1:5000-100000

Flow Cyt 1-2µg/Test

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** PN0466

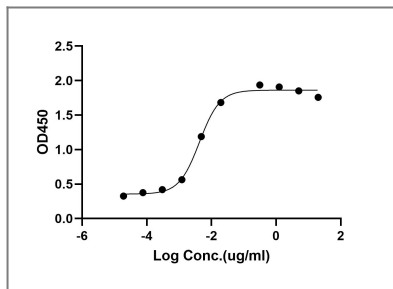
Immunogen Information

Immunogen Purified recombinant Human CD26**Specificity** This recombinant monoclonal antibody can detects endogenous levels of CD26 protein.

| Target Information

Gene name	DPP4 ADCP2 CD26		
Protein Name	Dipeptidyl peptidase 4 (ADABP) (Adenosine deaminase complexing protein 2) (ADCP-2) (Dipeptidyl peptidase IV) (DPP IV) (T-cell activation antigen CD26) (TP103) (CD antigen CD26) [Cleaved into: Dipeptidyl peptidase 4 membrane form (Dipeptidyl peptidase IV membrane form); Dipeptidyl peptidase 4 soluble form (Dipeptidyl peptidase IV soluble form)]		
	Organism	Gene ID	UniProt ID
	Human	1803 ;	P27487 ;
Cellular Localization	[Dipeptidyl peptidase 4 soluble form]: Secreted . Detected in the serum and the seminal fluid. .; Cell membrane ; Single-pass type II membrane protein. Apical cell membrane ; Single-pass type II membrane protein. Cell projection, invadopodium membrane ; Single-pass type II membrane protein. Cell projection, lamellipodium membrane ; Single-pass type II membrane protein. Cell junction . Membrane raft . Translocated to the apical membrane through the concerted action of N- and O-Glycans and its association with lipid microdomains containing cholesterol and sphingolipids (PubMed:11773049). Redistributed to membrane rafts in T-cell in an interleukin-12-dependent activation (PubMed:12676959). Its interaction with CAV1 is necessary for its translocation to membrane rafts (PubMed:17287217). Colocalized with PTPRC in membrane rafts (PubMed:12676959). Colocalized with FAP in invadopodia and lamellipodia of migratory activated endothelial cells in collagenous matrix. Colocalized with FAP on endothelial cells of capillary-like microvessels but not large vessels within invasive breast ductal carcinoma (PubMed:16651416). Colocalized with ADA at the cell junction in lymphocyte-epithelial cell adhesion (PubMed:11772392). Colocalized with IGF2R in internalized cytoplasmic vesicles adjacent to the cell surface (PubMed:10900005). .		
Tissue specificity	Expressed specifically in lymphatic vessels but not in blood vessels in the skin, small intestine, esophagus, ovary, breast and prostate glands. Not detected in lymphatic vessels in the lung, kidney, uterus, liver and stomach (at protein level). Expressed in the poorly differentiated crypt cells of the small intestine as well as in the mature villous cells. Expressed at very low levels in the colon.		
Function	Catalytic activity:Release of an N-terminal dipeptide, Xaa-Yaa-[Zaa-, from a polypeptide, preferentially when Yaa is Pro, provided Zaa is neither Pro nor hydroxyproline.,Removes N-terminal dipeptides sequentially from polypeptides having unsubstituted N-termini provided that the penultimate residue is proline. Plays a role in T-cell activation.,online information:Dipeptidyl peptidase-4 entry,PTM:The soluble form (SDPP) derives from the membrane form (MDPP) by proteolytic processing.,similarity:Belongs to the peptidase S9B family. DPPIV subfamily.,subunit:Homodimer or heterodimer with Seprase (FAP),,tissue specificity:Expressed in the poorly differentiated crypt cells of the small intestine as well as in the mature villous cells. Expressed at very low levels in the colon.,		

| Validation Data



Contact information

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Please scan the QR code
to access additional
product information:
**CD26 (PN0466) Nb-
FC recombinant
antibody**

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