

## CD81 (PN0369) Nb-FC recombinant antibody

<b>Catalog No :</b>	YA0528
<b>Reactivity :</b>	Human
<b>Applications :</b>	ELISA
<b>Target :</b>	CD81
<b>Gene Name :</b>	CD81 TAPA1 TSPAN28
<b>Protein Name :</b>	CD81 antigen (26 kDa cell surface protein TAPA-1) (Target of the antiproliferative antibody 1) (Tetraspanin-28) (Tspan-28) (CD antigen CD81)
<b>Human Gene Id :</b>	975
<b>Human Swiss Prot No :</b>	P60033
<b>Immunogen :</b>	Purified recombinant Human CD81
<b>Specificity :</b>	This recombinant monoclonal antibody can detects endogenous levels of CD81 protein.
<b>Formulation :</b>	Phosphate-buffered solution
<b>Source :</b>	Camel, chimeric fusion of Nanobody (VHH) and mouse IgG1 Fc domain , recombinantly produced from 293F cell
<b>Dilution :</b>	ELISA 1:5000-100000
<b>Purification :</b>	Recombinant Expression and Affinity purified
<b>Concentration :</b>	Please check the information on the tube
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Avoid freeze / thaw cycles)
<b>Cell Pathway :</b>	B_Cell_Antigen;
<b>Background :</b>	The protein encoded by This gene is a member of the transmembrane 4

superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins. This protein appears to promote muscle cell fusion and support myotube maintenance. Also it may be involved in signal transduction. This gene is localized in the tumor-suppressor gene region and thus it is a candidate gene for malignancies. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2014]

### Function :

May play an important role in the regulation of lymphoma cell growth. Interacts with a 16-kDa Leu-13 protein to form a complex possibly involved in signal transduction. May act as the viral receptor for HCV. PTM: Not glycosylated. Similarity: Belongs to the tetraspanin (TM4SF) family. Subunit: Plays a critical role in HCV attachment and/or cell entry by interacting with HCV E1/E2 glycoproteins heterodimer. Interacts directly with IGSF8. Tissue specificity: Hematolymphoid, neuroectodermal and mesenchymal tumor cell lines.

### Subcellular Location :

Cell membrane ; Multi-pass membrane protein . Basolateral cell membrane ; Multi-pass membrane protein . Associates with CLDN1 and the CLDN1-CD81 complex localizes to the basolateral cell membrane. .

### Expression :

Expressed on B cells (at protein level) (PubMed:223748). Expressed in hepatocytes (at protein level) (PubMed:1248325). Expressed in monocytes/macrophages (at protein level) (PubMed:1279648). Expressed on both naive and memory CD4-positive T cells (at protein level) (PubMed:2237619).

## Products Images