

**CD326/EPCAM (PN0561) Nb-FC recombinant antibody**

<b>Catalog No :</b>	YA0300
<b>Reactivity :</b>	Human
<b>Applications :</b>	ELISA
<b>Target :</b>	CD326/EPCAM
<b>Gene Name :</b>	EPCAM GA733-2 M1S2 M4S1 MIC18 TACSTD1 TROP1
<b>Protein Name :</b>	Epithelial cell adhesion molecule (Ep-CAM) (Adenocarcinoma-associated antigen) (Cell surface glycoprotein Trop-1) (Epithelial cell surface antigen) (Epithelial glycoprotein) (EGP) (Epithelial glycopro
<b>Human Gene Id :</b>	4072
<b>Human Swiss Prot No :</b>	P16422
<b>Immunogen :</b>	Purified recombinant Human CD326
<b>Specificity :</b>	This recombinant monoclonal antibody can detects endogenous levels of CD326/EPCAM 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>Background :</b>	This gene encodes a carcinoma-associated antigen and is a member of a family that includes at least two type I membrane proteins.This antigen is expressed on

most normal epithelial cells and gastrointestinal carcinomas and functions as a homotypic calcium-independent cell adhesion molecule. The antigen is being used as a target for immunotherapy treatment of human carcinomas. Mutations in This gene result in congenital tufting enteropathy. [provided by RefSeq, Dec 2008]

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**Subcellular Location :**

Lateral cell membrane ; Single-pass type I membrane protein . Cell junction, tight junction . Colocalizes with CLDN7 at the lateral cell membrane and tight junction. .

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**Expression :**

Highly and selectively expressed by undifferentiated rather than differentiated embryonic stem cells (ESC). Levels rapidly diminish as soon as ESC's differentiate (at protein levels). Expressed in almost all epithelial cell membranes but not on mesodermal or neural cell membranes. Found on the surface of adenocarcinoma.

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