

**CD142 (PN0278) Nb-FC recombinant antibody**

<b>Catalog No :</b>	YA0104
<b>Reactivity :</b>	Human
<b>Applications :</b>	ELISA
<b>Target :</b>	CD142
<b>Gene Name :</b>	F3
<b>Protein Name :</b>	Tissue factor (TF) (Coagulation factor III) (Thromboplastin) (CD antigen CD142)
<b>Human Gene Id :</b>	2152
<b>Human Swiss Prot No :</b>	P13726
<b>Immunogen :</b>	Purified recombinant Human CD142
<b>Specificity :</b>	This recombinant monoclonal antibody can detects endogenous levels of CD142 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>	CD142, also known as Tissue Factor (TF), Coagulation Factor III, and Thromboplastin, is a 45 kD type I transmembrane glycoprotein. It is expressed on the surface of a variety of cells that are physically separated from the circulating blood which include smooth muscle cells, fibroblasts, keratinocytes, glomerular

epithelial cells (cytoplasmic inclusions), astrocytes, myocardium, liver stromal cells, pancreas cells, and is also expressed on activated monocytes and stimulated endothelial cells. CD142 is a high-affinity receptor for coagulation factor VII and initiates the extrinsic pathway of blood coagulation. CD142 also plays an important role in a variety of diseases such as sepsis, atherosclerosis, and cancer.

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**Function :**

Initiates blood coagulation by forming a complex with circulating factor VII or VIIa. The [TF:VIIa] complex activates factors IX or X by specific limited proteolysis. TF plays a role in normal hemostasis by initiating the cell-surface assembly and propagation of the coagulation protease cascade.

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**Subcellular Location :**

[Isoform 1]: Membrane ; Single-pass type I membrane protein .; [Isoform 2]: Secreted .

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**Expression :**

Lung, placenta and pancreas.

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