Best Tools for immunology Research

CD141 (PN0397) Nb-FC recombinant antibody

Catalog No :	YA0097
Reactivity :	Human
Applications :	ELISA;FCM
Target :	CD141
Gene Name :	THBD THRM
Protein Name :	Thrombomodulin (TM) (Fetomodulin) (CD antigen CD141)
Human Gene Id :	7056
Human Swiss Prot No :	P07204
Immunogen :	Purified recombinant Human CD141
Specificity :	This recombinant monoclonal antibody can detects endogenous levels of CD141 protein.
Formulation :	Phosphate-buffered solution
Source :	Camel, chimeric fusion of Nanobody (VHH) and mouse IgG1 Fc domain , recombinantly produced from 293F cell
Dilution :	ELISA 1:5000-100000 FCM 1-2μg/Test
Purification :	Recombinant Expression and Affinity purified
Concentration :	Please check the information on the tube
Storage Stability :	-15°C to -25°C/1 year(Avoid freeze / thaw cycles)
Background :	The protein encoded byThis intronless gene is an endothelial-specific type I membrane receptor that binds thrombin.This binding results in the activation of protein C, which degrades clotting factors Va and VIIIa and reduces the amount of thrombin generated. Mutations inThis gene are a cause of thromboembolic

disease, also known as inherited thrombophilia. [provided by RefSeq, Jul 2008]

Function : disease:Defects in THBD are the cause of thrombophilia due to thrombomodulin defect (THR-THBDD) [MIM:188040]. THR-THBDD is a hemostatic disorder characterized by a tendency to thrombosis.,Thrombomodulin is a specific endothelial cell receptor that forms a 1:1 stoichiometric complex with thrombin. This complex is responsible for the conversion of protein C to the activated protein C (protein Ca). Once evolved, protein Ca scissions the activated cofactors of the coagulation mechanism, factor Va and factor VIIIa, and thereby reduces the amount of thrombin generated.,online information:Thrombomodulin,online information:Thrombomodulin entry,PTM:N-glycosylated.,PTM:The iron and 2-oxoglutarate dependent 3-hydroxylation of aspartate and asparagine is (R) stereospecific within EGF domains.,similarity:Contains 1 C-type lectin domain.,similarity:Contains 6 EGF-like domains.,tissue specificity:Endot

Subcellular Location : Membrane; Single-pass type I membrane protein.

Expression : Endothelial cells are unique in synthesizing thrombomodulin.

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