

For Research Use Only

Anti-Human CD141/Thrombomodulin Rabbit Recombinant Antibody

Catalog Number: 98037-2-RR



Basic Information

Catalog Number: 98037-2-RR	GenBank Accession Number: NM_000361.3	Purification Method: Protein A purification
Size: 100ug, 1000 µg/ml	GeneID (NCBI): 7056	CloneNo.: 240365H3
Source: Rabbit	UNIPROT ID: P07204	
Isotype: IgG	Full Name: thrombomodulin	
	Calculated MW: 60 kDa	

Applications

Tested Applications:
FC

Species Specificity:
human

Background Information

Thrombomodulin, also known as CD141, is an endothelial cell surface glycoprotein that forms a 1:1 complex with the coagulation factor thrombin and plays an important role as a natural anticoagulant. Thrombomodulin serves to convert thrombin from a procoagulant protein into the activator for protein C. Once converted to activated protein C (APC), this protein serves as a major anticoagulant in blood (PMID: 2827310). Thrombomodulin is also located in other cells (keratinocytes, osteoblasts, macrophages,...) where it might be involved in cell differentiation or in inflammation (PMID: 9814688). In humans, thrombomodulin is encoded by the THBD gene. Mutations in this gene are a cause of thromboembolic disease, also known as inherited thrombophilia. Thrombomodulin is glycosylated and has an apparent molecular weight of 75 to 110 kDa (PMID: 1650405; 2827310).

Storage

Storage:
Store at 2 - 8°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide, pH 7.3.

For technical support and original validation data for this product please contact:

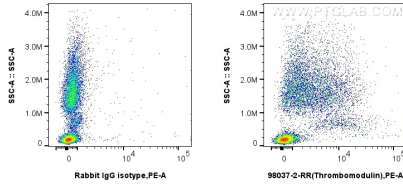
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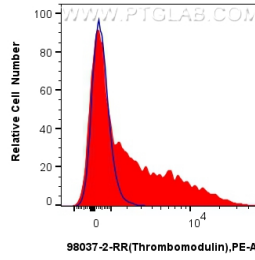
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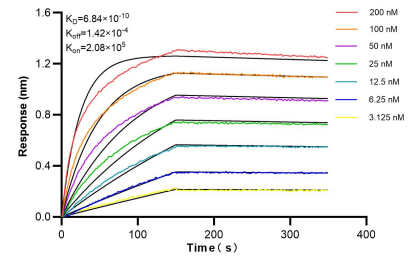
Selected Validation Data



1x10⁶ human peripheral blood leukocytes were surface stained with 0.25 ug Anti-Human Thrombomodulin Rabbit Recombinant Antibody (98037-2-RR, Clone: 240365H3) or 0.25 ug Control Antibody, and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



1x10⁶ human peripheral blood leukocytes were surface stained with 0.25 ug Anti-Human Thrombomodulin Rabbit Recombinant Antibody (98037-2-RR, Clone: 240365H3) (red) or 0.25 ug Control Antibody (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



Bi-layer interferometry (BLI) kinetic assays of 98037-2-RR against Human CD141/Thrombomodulin were performed. The affinity constant is 0.684 nM.