

For Research Use Only

# Anti-Human CD141/Thrombomodulin Rabbit Recombinant Antibody



Catalog Number: **98037-1-RR**

## Basic Information

<b>Catalog Number:</b> 98037-1-RR	<b>GenBank Accession Number:</b> NM_000361.3	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, 1 mg/ml	<b>GeneID (NCBI):</b> 7056	<b>CloneNo.:</b> 240365E11
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P07204	
<b>Isotype:</b> IgG	<b>Full Name:</b> thrombomodulin	
	<b>Calculated MW:</b> 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.

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

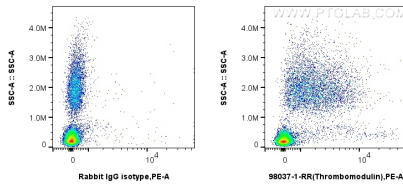
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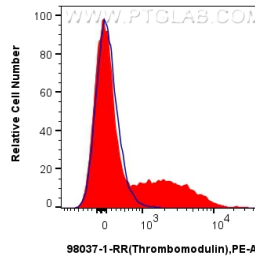
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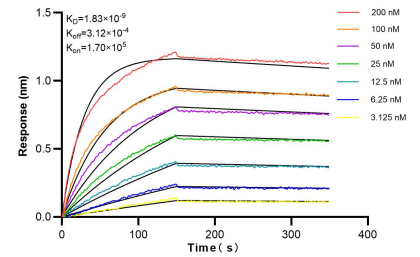
## Selected Validation Data



1x10<sup>6</sup> human peripheral blood leukocytes were surface stained with 0.25 ug Anti-Human CD141/Thrombomodulin Rabbit Recombinant Antibody (98037-1-RR, Clone: 240365E11) or Isotype Control and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.



1x10<sup>6</sup> human peripheral blood leukocytes were surface stained with 0.25 ug Anti-Human Thrombomodulin Rabbit Recombinant Antibody (98037-1-RR, Clone: 240365E11) (red) or Isotype Control (blue), and PE-Conjugated AffiniPure 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 98037-1-RR against Human CD141/Thrombomodulin were performed. The affinity constant is 1.83 nM.