

For Research Use Only



FcZero-rAb® PE Anti-Human CD141/Thrombomodulin Rabbit Recombinant Antibody

Catalog Number: PE-FcA98037-2

Basic Information

Catalog Number: PE-FcA98037-2	GenBank Accession Number: NM_000361.3	Purification Method: Protein A purification
Concentration: 100 tests, 5 µl/test	GeneID (NCBI): 7056	CloneNo.: 240365H3
Source: Rabbit	UNIPROT ID: P07204	Recommended Dilutions: FC: 5 µl per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: thrombomodulin	Excitation/Emission maxima wavelengths: 496 nm, 565 nm / 578 nm
Immunogen Catalog Number: EG0944	Calculated MW: 60 kDa	

Applications

Tested Applications: FC	Positive Controls: FC : human peripheral blood leukocytes,
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).

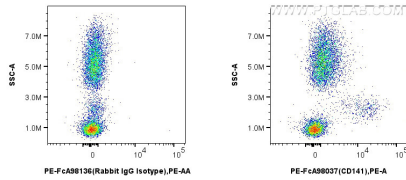
Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

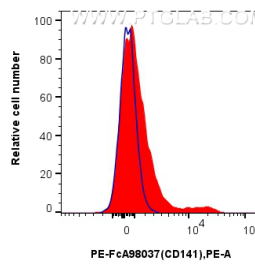
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ human peripheral blood leukocyte were surface stained with 5 ul PE Anti-Human CD141/Thrombomodulin Rabbit RecAb (PE-FcA98037-2, Clone: 240365H3) or PE Rabbit IgG Isotype Control RecAb (PE-FcA98136, Clone: 240953C9). Cells were not fixed.



1x10⁶ human peripheral blood leukocytes were surface stained with 5 ul PE Anti-Human CD141/Thrombomodulin Rabbit RecAb (PE-FcA98037-2, Clone: 240365H3) (red) or PE Rabbit IgG Isotype Control RecAb (PE-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.