

For Research Use Only

PROS1 Recombinant antibody

Catalog Number: 84107-2-RR



Basic Information

Catalog Number: 84107-2-RR	GenBank Accession Number: BC015801	Purification Method: Protein A purification
Size: 1000 ug/ml	GeneID (NCBI): 5627	CloneNo.: 241241E5
Source: Rabbit	UNIPROT ID: P07225	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: protein S (alpha)	
Immunogen Catalog Number: AG10539	Calculated MW: 75 kDa	
	Observed MW: 75 kDa	

Applications

Tested Applications: WB, FC (Intra), ELISA	Positive Controls: WB : DU 145 cells, PC-3 cells, HuH-7 cells
Species Specificity: human	

Background Information

PROS1, also named as Vitamin K-dependent protein S, is a 676 amino acid protein, which contains 4 EGF-like domains, contains one Gla (gamma-carboxy-glutamate) domain and contains 2 laminin G-like domains. PROS1 as a secreted protein platelets alpha granules is expressed in plasma. PROS1 is a cofactor to activated protein C in the degradation of coagulation factors Va and VIIIa and helps to prevent coagulation and stimulating fibrinolysis.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

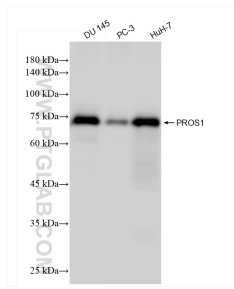
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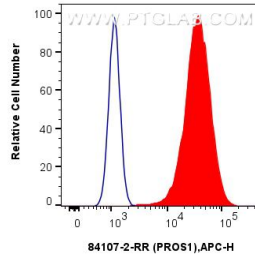
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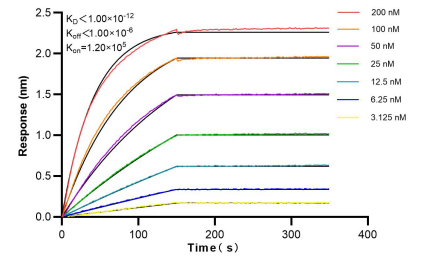
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84107-2-RR (PROS1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1×10^6 A549 cells were intracellularly stained with 0.25 μ g PROS1 Recombinant antibody (84107-2-RR, Clone:241241E5) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 μ g Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biacore interferometry (BLI) kinetic assays of 84107-2-RR against Human PROS1 were performed. The affinity constant is below 1 pM.