

For Research Use Only

# Kininogen 1 Recombinant antibody, PBS Only

Catalog Number: 84175-5-PBS



## Basic Information

<b>Catalog Number:</b> 84175-5-PBS	<b>GenBank Accession Number:</b> NM_001102416.3	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3827	<b>CloneNo.:</b> 241397C11
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P01042-1	
<b>Isotype:</b> IgG	<b>Full Name:</b> kininogen 1	
	<b>Calculated MW:</b> 72kDa	
	<b>Observed MW:</b> 48 kDa	

## Applications

**Tested Applications:**  
WB, FC (Intra), Indirect ELISA

**Species Specificity:**  
human

## Background Information

Kininogens are inhibitors of thiol proteases. Kininogen 1 plays important role in Kinin-kallikrein system. This KNG1 gene contains 10 exons and encodes two proteins through alternative splicing: high molecular weight kininogen (HMWK) (72kDa) and low molecular weight kininogen (LMWK) (48kDa) (PMID: 37442062). HMWK is produced by the liver together with prekallikrein. It acts mainly as a cofactor on coagulation and inflammation, and has no intrinsic catalytic activity. LMWK is produced locally by numerous tissues, and secreted together with tissue kallikrein.

## Storage

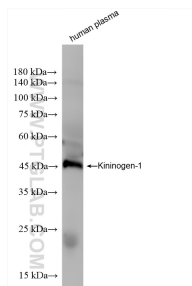
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

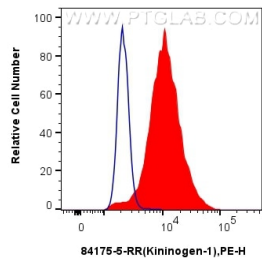
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

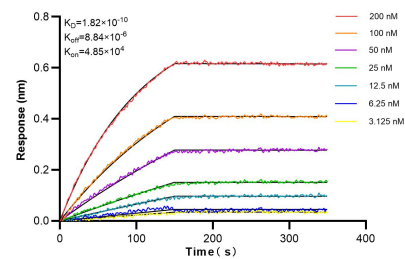
## Selected Validation Data



Human plasma was subjected to SDS PAGE followed by western blot with 84175-5-RR (Kininogen-1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84175-5-PBS in a different storage buffer formulation.



1x10<sup>6</sup> HT-29 cells were intracellularly stained with 0.25 ug Kininogen-1 Recombinant antibody (84175-5-RR, Clone:241397C.11) (red), or 0.25 ug Isotype Control (blue) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 84175-5-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84175-5-RR against Human Kininogen-1 were performed. The affinity constant is 0.182 nM.