

For Research Use Only

# ADAMTS13 Recombinant antibody, PBS Only (Capture)

Catalog Number: 85974-3-PBS



## Basic Information

<b>Catalog Number:</b> 85974-3-PBS	<b>GenBank Accession Number:</b> NM_139025	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 11093	<b>CloneNo.:</b> 250498E11
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q76LX8	
<b>Isotype:</b> IgG	<b>Full Name:</b> ADAM metalloproteinase with thrombospondin type 1 motif, 13	
<b>Immunogen Catalog Number:</b> EG2556	<b>Calculated MW:</b> 154 kDa	
	<b>Observed MW:</b> 180 kDa	

## Applications

**Tested Applications:**  
WB, Sandwich ELISA, Indirect ELISA, Sample test

**Species Specificity:**  
human

## Product Information

85974-3-PBS targets ADAMTS13 as part of a matched antibody pair:

MP02235-2: 85974-3-PBS capture and 85974-1-PBS detection (validated in Sandwich ELISA)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

## Background Information

ADAMTS13 (a disintegrin and metalloproteinase with thrombospondin type 1 motifs, member 13) is a zinc-dependent metalloproteinase that contains multiple domains, such as the signal peptide, propeptide, metalloproteinase domain, disintegrin-like domain, and TSP-1 domain, among others. The primary function of ADAMTS13 is to specifically cleave the ultra-large multimers of von Willebrand factor (vWF), preventing excessive platelet aggregation and the formation of microvascular thrombi. Deficiency of ADAMTS13 is closely associated with thrombotic thrombocytopenic purpura (TTP), a severe disease characterized by thrombocytopenia, microvascular thrombosis, and tissue damage. Additionally, reduced ADAMTS13 activity is also linked to diseases such as myocardial infarction and stroke.

## Storage

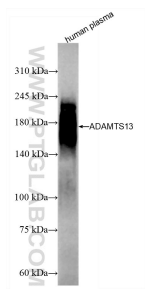
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

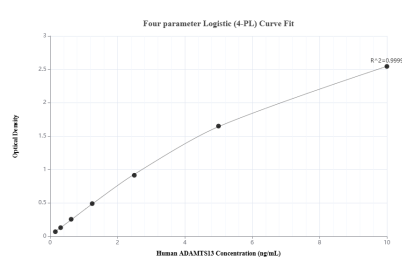
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

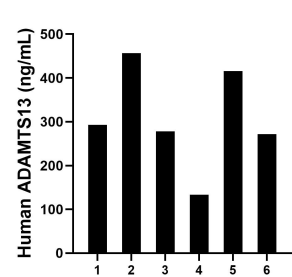
## Selected Validation Data



human plasma were subjected to SDS PAGE followed by western blot with 85974-3-RR (ADAMTS13 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85974-3-PBS in a different storage buffer formulation.



Sandwich ELISA standard curve of MP02235-2, Human ADAMTS13 Recombinant Matched Antibody Pair - PBS only. 85974-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg2556. 85974-1-PBS was HRP conjugated as the detection antibody. Range: 0.156-10 ng/mL



Serum of six individual healthy human donors was measured. The human ADAMTS13 concentration of detected samples was determined to be 308.14 ng/mL with a range of 133.71 - 456.88 ng/mL