

For Research Use Only

# Coagulation factor II Recombinant antibody, PBS Only (Detector)

Catalog Number: 86124-1-PBS



## Basic Information

<b>Catalog Number:</b> 86124-1-PBS	<b>GenBank Accession Number:</b> NM_000506.5	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2147	<b>CloneNo.:</b> 243089F11
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P00734	
<b>Isotype:</b> IgG	<b>Full Name:</b> coagulation factor II (prothrombin)	
<b>Immunogen Catalog Number:</b> EG1337	<b>Calculated MW:</b> 70kDa	
	<b>Observed MW:</b> 72 kDa	

## Applications

**Tested Applications:**  
WB, Cytometric bead array, Indirect ELISA, Sample test

**Species Specificity:**  
human

## Product Information

86124-1-PBS targets Coagulation factor II as part of a matched antibody pair:

MP02277-1: 86124-2-PBS capture and 86124-1-PBS detection (validated in Cytometric bead array)

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

Normal blood coagulation is a complex process, involving a cascade of activation of different plasma proteins, ultimately resulting in the formation of a clot, called fibrin. Coagulation Factor II (F2), also known as prothrombin, is one of the components of this chain of plasma proteins involved in blood coagulation. Prothrombin is the precursor of thrombin, which is essential in the processes of hemostasis and thrombosis.

## Storage

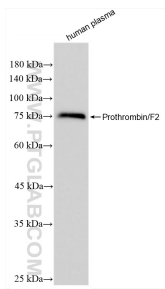
**Storage:**  
Store at -80°C.

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

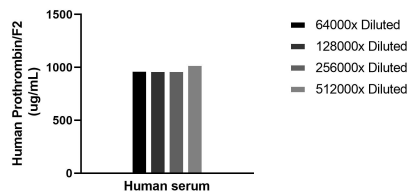
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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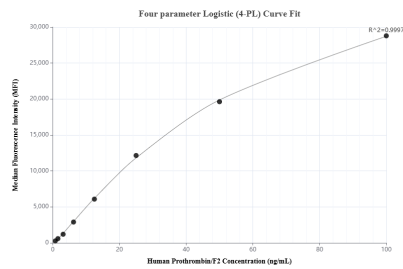
## Selected Validation Data



human plasma were subjected to SDS PAGE followed by western blot with 86124-1-RR (Prothrombin/F2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86124-1-PBS in a different storage buffer formulation.



The mean Prothrombin/F2 concentration was determined to be 986.4 ug/mL in human serum.



Cytometric bead array standard curve of MP02277-1, Prothrombin/F2 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 86124-2-PBS. Detection antibody: 86124-1-PBS. Standard: Eg1337. Range: 0.781-100 ng/mL.