

# Coagulation factor II Recombinant antibody

Catalog Number: 83957-4-RR

## Basic Information

**Catalog Number:**

83957-4-RR

**Concentration:**

1000 ug/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

EG0943

**GenBank Accession Number:**

NM\_010168.3

**GeneID (NCBI):**

14061

**UNIPROT ID:**

P19221

**Full Name:**

coagulation factor II

**Calculated MW:**

70 kDa

**Observed MW:**

70-80 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

241013D9

**Recommended Dilutions:**

WB: 1:2000-1:10000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

mouse, rat

**Positive Controls:**

WB : mouse heart tissue, rat plasma

## 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 or factor II, 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. This antibody specifically recognizes mouse Coagulation Factor II.

## Storage

**Storage:**

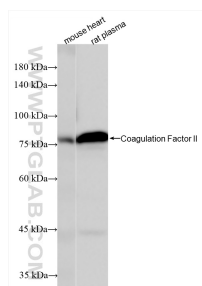
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

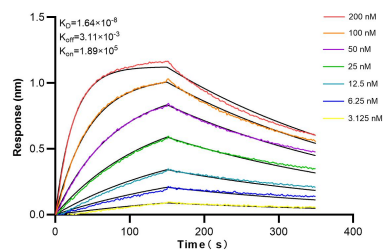
PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83957-4-RR (Coagulation factor II antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83957-4-RR against Mouse Coagulation factor II were performed. The affinity constant is 16.4 nM.