

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Pro Coagulation Factor II/Thrombin in direct ELISAs and Western blots. It recognizes only Pro Coagulation Factor II/Thrombin, not active Thrombin. In Western blots, less than 5% cross-reactivity with recombinant human (rh) Factor X
Source	Monoclonal Mouse IgG _{2B} Clone # 200710
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Pro Coagulation Factor II/Thrombin Ala44-Glu622 Accession # NP_000497
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunoprecipitation	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Pro-Coagulation Factor II, also called Prothrombin, is a plasma serine protease central to the coagulation cascade in which it converts fibrinogen to fibrin, activates factors V, VII, VIII, XIII and forms complexes with protein C and thrombomodulin. Pro-Coagulation Factor II is an inactive precursor of thrombin that can be activated by proteolytic removal of the pro region.

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