Human Coagulation Factor X Alexa Fluor® 405-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # 156106

Catalog Number: FAB1063V

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Coagulation Factor X in direct ELISAs and Western blots. It recognizes both Factor X and Factor Xa.
Source	Monoclonal Mouse IgG_1 Clone # 156106
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Coagulation Factor X Leu24-Lys488 (predicted) Accession # P00742
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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

As the only known physiological activator of thrombin, Factor X is a vitamin K-dependent plasma protease that plays a pivotal role in blood coagulation. Human Factor X (rhFX) is initially synthesized in the liver as a single-chain precursor of 488 amino acids (aa) with a signal peptide and a pro region (aa 1-40). Both the intrinsic and extrinsic pathways activate Factor X to Xa, which consists of light (aa 41-179) and heavy (aa 235-488) chains linked by a disulfide bond. The light chain contains a Gla and two EGF-like domains and the heavy chain corresponds to the serine protease domain.

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