

F11 Antibody (monoclonal) (M01)

Purified Mouse Monoclonal Antibody (Mab)

Catalog # AT1973a

Product Information

Primary Accession	P03951
Other Accession	NP_000119
Reactivity	Human
Host	mouse
Isotype	IgG1 Kappa
Clone Names	2H8
Calculated MW	70109

Additional Information

Gene ID	2160
Other Names	Coagulation factor XI, FXI, Plasma thromboplastin antecedent, PTA, Coagulation factor XIa heavy chain, Coagulation factor XIa light chain, F11
Target/Specificity	F11 (NP_000119, 286 a.a. ~ 386 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	F11 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

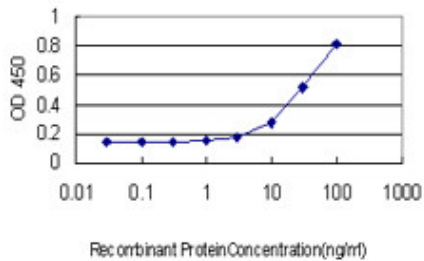
This gene encodes coagulation factor XI of the blood coagulation cascade. This protein is present in plasma as a zymogen, which is a unique plasma coagulation enzyme because it exists as a homodimer consisting of two identical polypeptide chains linked by disulfide bonds. During activation of the plasma factor XI, an internal peptide bond is cleaved by factor XIIa (or XII) in each of the two chains, resulting in activated factor XIa, a serine protease composed of two heavy and two light chains held together by disulfide bonds. This activated plasma factor XI triggers the middle phase of the intrinsic pathway of blood coagulation by activating factor IX. Defects in this factor lead to Rosenthal syndrome, a blood coagulation abnormality.

References

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086. Association of common genetic variations and idiopathic venous

thromboembolism. Results from EDITH, a hospital-based case-control study. Delluc A, et al. Thromb Haemost, 2010 Jun. PMID 20352152. Gene variants associated with venous thrombosis: confirmation in the MEGA study. Arellano AR, et al. J Thromb Haemost, 2010 May. PMID 20128871. Structure and function of factor XI. Emsley J, et al. Blood, 2010 Apr 1. PMID 20110423. Molecular characterization of in-frame and out-of-frame alternative splicings in coagulation factor XI pre-mRNA. Asselta R, et al. Blood, 2010 Mar 11. PMID 20042724.

Images



Detection limit for recombinant GST tagged F11 is approximately 10ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.