Mouse anti-Human F2 Monoclonal Antibody | anti-F2 antibody

F2 (Coagulation Factor II, Prothrombin) (FITC)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA25094	**Mouse**	**Human**	**ELISA, Immunoprecipitation, Western Blot**

PRODUCT SYNONYMS

F2; Monoclonal Antibody; F2 (Coagulation Factor II; Prothrombin) (FITC); anti-F2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Clone Number	1B7
Specificity	Recognizes human F2.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein isothiocyanate (FITC).
Applicable Applications for anti-F2 antibody	ELISA, IP (Immunoprecipitation), WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa263-362 from human F2 (AAH51332) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	RNPDGDEEGAWCYVAGKPGDFGYCDLNYCEEAVEEETGDGLDEDSDRAIEGRTATSEYQTFFNPRTFGSGEADCGLRPLFEKKSLEDKTERELLESYID
Conjugate	FITC
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions ca be made in assay buffer. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing an prior to removing the cap.

IMAGES

Application Data
Proximity Ligation Analysis (PLA) of protein-protein interactions between FGA and F2. HeLa cells were stained with FGA rabbit purified polyclonal 1:1200 and F2 mouse monoclonal antibody 1:50. Signals were detected by 30 Detection Kit 613 (red), and nuclei were counterstained with DAPI (blue). Each red dot represents the detection of protein-protein interaction complex.

WB (Western Blot)
Western blot analysis of F2 over-expressed 293 cell line, cotransfected with F2 Validated Chimera RNAi (Lane 2) or non-transfected control (Lane 1). Blot probed with F2 monoclonal antibody. GAPDH (36.1kD) used as specificity and loading control.

Application Data
Detection limit for recombinant GST tagged F2 is ~1ng/ml as a capture antibody.

IP (Immunoprecipitation)
Immunoprecipitation of F2 transfected lysate using F2 monoclonal antibody and Protein A Magnetic Bead and immunoblotted with F2 rabbit polyclonal antibody.

WB (Western Blot)
Western Blot analysis of F2 expression in transfected 293T cell line by F2 monoclonal antibody. Lane 1: F2 transfected lysate (70kD). Lane 2: Non-transfected lysate.

WB (Western Blot)
Western Blot detection against Immunogen (36.74kD).

ADDITIONAL INFORMATION

Related Product Information for anti-F2 antibody	Thrombin, which cleaves bonds after Arg and Lys, converts fibrinogen to fibrin and activates factors V, VII, VIII, XIII, and, in complex with thrombomodulin, protein C. Functions in blood homeostasis, inflammation and wound healing.
Product Categories/Family for anti-F2 antibody	Antibodies; Coagulation Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	30802114
NCBI GeneID	2147
UniProt Accession #	P00734; Q4QZ40; Q53H04; Q53H06; Q7Z7P3; Q9UCA1; B2R7F7; B4E1A7
Molecular Weight	70,037 Da
NCBI Official Full Name	Homo sapiens coagulation factor II (thrombin), mRNA
NCBI Official Synonym Full Names	coagulation factor II (thrombin)
NCBI Official Symbol	F2
NCBI Official Synonym Symbols	PT; THPH1; RPRGL2
NCBI Protein Information	prothrombin; serine protease; prothrombin B-chain; prepro-coagulation factor II
UniProt Protein Name	Prothrombin
UniProt Gene Name	**F2**
UniProt Entry Name	THRB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/monoclonal/f2-antibody-clone-1b7-immunoprecipitation-western-blot-elisa/25094