

Mouse Coagulation factor XI ELISA Kit | F11 elisa kit

Mouse Coagulation factor XI ELISA Kit

 CATALOG #
AAA99053

 REACTIVITY
Mouse

PRODUCT SYNONYMS

Coagulation factor XI; Mouse Coagulation factor XI ELISA Kit; F11/Coagulation factor XI/FXI/Plasma thromboplastin antecedent/PTA; F11 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of F1+2. No significant cross-reactivity or interference between F1+2 and analogues was observed.
Sequence Length	556
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	3.125-200ng/ml
Sensitivity	1.875ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level F1+2 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level F1+2 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard operation of a F11 ELISA Kit are listed below. This standard curve was generated at our lab for demonstration purpose only. Users shall obtain standard curve as per experiment by themselves. (N/A=not applicable)

X	ng/ml	0	3.125	6.25	12.5	25	50	100	200
Y	OD450	0.165	0.293	0.397	0.586	0.839	1.103	1.642	2.211

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for F11 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-F1+2 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-F1+2 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the F1+2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of F1+2 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	114145441
NCBI GeneID	290757
NCBI Accession #	NP_001041313.1
NCBI GenBank Nucleotide #	NM_001047848.1
NCBI Official Full Name	coagulation factor XI
NCBI Official Synonym Full Names	coagulation factor XI
NCBI Official Symbol	F11
NCBI Official Synonym Symbols	LRRGT00086
NCBI Protein Information	coagulation factor XI

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.

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Online datasheet: <https://stage.aaabiotech.com/f11-mouse-elisa-kits/coagulation-factor-xi/99053>