

Mouse Coagulation Factor V (F5) ELISA Kit | F5 elisa kit

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CATALOG #
AAA137555

REACTIVITY
Mouse

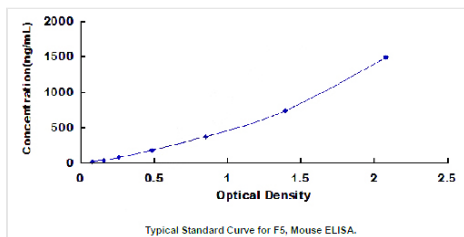
PRODUCT SYNONYMS

Coagulation Factor V (F5); Mouse Coagulation Factor V (F5) ELISA Kit; FV; FVL; PCCF; Proaccelerin; Labile Factor; Factor V Leiden; Accelerator Globulin; Activated protein C cofactor; labile factor; F5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of F5. No significant cross-reactivity or interference between F5 and analogues was observed.
Sequence Length	2224
Assay Type	Double-antibody Sandwich
Samples	Plasma
Detection Range	125-8,000pg/mL
Sensitivity	50pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level F5 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level F5 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for F5 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of F5 in mouse serum, plasma and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to F5. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to F5. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain F5, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of F5 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for F5 elisa kit	Enzyme & Kinase; Metabolic pathway; Hematology

NCBI AND UNIPROT INFORMATION

NCBI GI #	105990535
NCBI GeneID	2153
NCBI Accession #	NP_000121.2
NCBI GenBank Nucleotide #	NM_000130.4
UniProt Accession #	P12259; Q14285; Q2EHR5; Q5R346; Q5R347; Q6UPU6; Q8WWQ6; A8K6E8
Molecular Weight	251,703 Da
NCBI Official Full Name	coagulation factor V
NCBI Official Synonym Full Names	coagulation factor V (proaccelerin, labile factor)
NCBI Official Symbol	F5
NCBI Official Synonym Symbols	FVL; PCCF; THPH2; RPRGL1
NCBI Protein Information	coagulation factor V
UniProt Protein Name	Coagulation factor V
UniProt Gene Name	F5
UniProt Entry Name	FA5_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.