

Rat Coagulation Factor V ELISA Kit | F5 elisa kit

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CATALOG #
AAA85029

REACTIVITY
Rat

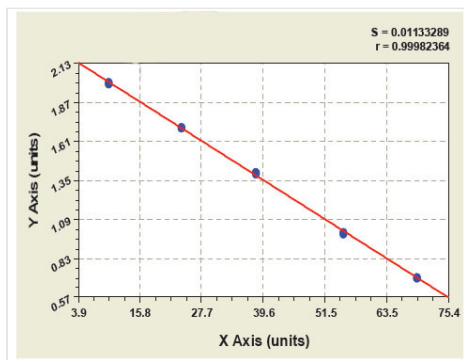
PRODUCT SYNONYMS

Coagulation Factor V; Rat Coagulation Factor V ELISA Kit; F5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/ml
Intended Uses	This F5 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat F5. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for F5 elisa kit

Principle of the Assay: F5 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-F5 antibody and an F5-HRP conjugate. The assay sample and buffer are incubated together with F5-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the F5 concentration since F5 from samples and F5-HRP conjugate compete for the anti-F5 antibody binding site. Since the number of sites is limited, as more sites are occupied by F5 from the sample, fewer sites are left to bind F5-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The F5 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	488110
NCBI GeneID	2153
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; factor V Leiden; proaccelerin, labile factor; activated protein c cofactor; coagulation factor V jinjiang A2 domain
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.