

Human Coagulation Factor 5 Antigen ELISA Kit | F5 Ag elisa kit

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CATALOG #
AAA86860

REACTIVITY
Human

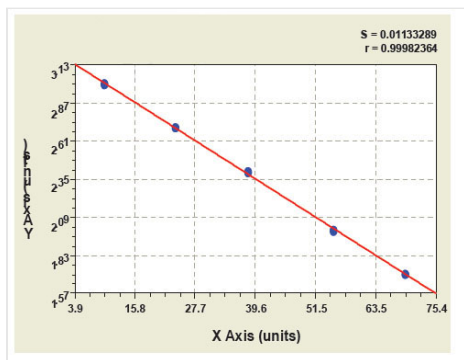
PRODUCT SYNONYMS

Coagulation Factor 5 Antigen; Human Coagulation Factor 5 Antigen ELISA Kit; F5 Ag elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This F5-Ag ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human F5-Ag. 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 Ag elisa kit

Principle of the Assay: F5-Ag ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-F5-Ag antibody and an F5-Ag-HRP conjugate. The assay sample and buffer are incubated together with F5-Ag-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-Ag concentration since F5-Ag from samples and F5-Ag-HRP conjugate compete for the anti-F5-Ag antibody binding site. Since the number of sites is limited, as more sites are occupied by F5-Ag from the sample, fewer sites are left to bind F5-Ag-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The F5-Ag concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	105990535
NCBI GeneID	2153
NCBI Accession #	NP_000121.2
NCBI GenBank Nucleotide #	NM_000130.4
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.

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Online datasheet: <https://stage.aaabiotech.com/f5-ag-human-elisa-kits/coagulation-factor-5-antigen/86860>