

Human Coagulation factor VIII related antigen ELISA Kit | F8 Ag elisa kit

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CATALOG #
AAA87729

REACTIVITY
Human

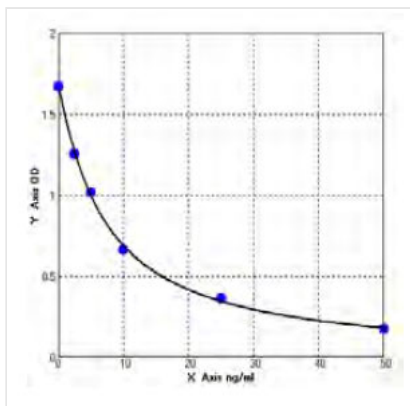
PRODUCT SYNONYMS

Coagulation factor VIII related antigen; Human Coagulation factor VIII related antigen ELISA Kit; F8 Ag elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of F8Ag. No significant cross-reactivity or interference between F8Ag and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between F8Ag and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for F8 Ag elisa kit	Principle of the Assay: F8Ag ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-F8Ag antibody and an F8Ag-HRP conjugate. The assay sample and buffer are incubated together with F8Ag-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 F8Ag concentration since F8Ag from samples and F8Ag-HRP conjugate compete for the anti-F8Ag antibody binding site. Since the number of sites is limited, as more sites are occupied by F8Ag from the sample, fewer sites are left to bind F8Ag-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The F8Ag concentration in each sample is interpolated from this standard curve. Intended Uses: This F8Ag ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human F8Ag. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4503647
NCBI GeneID	2157
NCBI Accession #	NP_000123.1
NCBI GenBank Nucleotide #	NM_000132.3
Molecular Weight	24,641 Da
NCBI Official Full Name	coagulation factor VIII isoform a
NCBI Official Synonym Full Names	coagulation factor VIII, procoagulant component
NCBI Official Symbol	F8
NCBI Official Synonym Symbols	AHF; F8B; F8C; HEMA; FVIII; DXS1253E
NCBI Protein Information	coagulation factor VIII; factor VIII F8B; antihemophilic factor; coagulation factor VIIIc
UniProt Protein Name	Coagulation factor VIII
UniProt Gene Name	F8
UniProt Synonym Gene Names	F8C; AHF
UniProt Entry Name	FA8_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.