

Human Coagulation Factor VIII (F8) CLIA Kit | F8 clia kit

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CATALOG # AAA189047	REACTIVITY Human	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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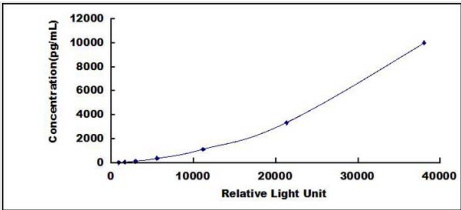
PRODUCT SYNONYMS

Coagulation Factor VIII (F8); Human Coagulation Factor VIII (F8) CLIA Kit; Coagulation Factor VIII; FVIII; AHF; HEMA; F8B; F8C; Antihemophilic Globulin; Hemophilia A; Anti-Hemophilic Factor A; FVIII Procoagulant Component; F8 Protein; F8 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Coagulation Factor VIII (F8). No significant cross-reactivity or interference between Coagulation Factor VIII (F8) and analogues was observed.
Sequence Length	2351
Assay Type	Double-antibody Sandwich
Samples	Plasma
Detection Range	13.7-10,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 4.9pg/mL
Applicable Applications for F8 clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Coagulation Factor VIII (F8) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Coagulation Factor VIII (F8) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The microplate provided in this kit has been pre-coated with an antibody specific to Coagulation Factor VIII (F8). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Coagulation Factor VIII (F8). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Coagulation Factor VIII (F8) level in the sample or standard.
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503647
NCBI GeneID	2157
NCBI Accession #	NP_000123.1
NCBI GenBank Nucleotide #	NP_000123.1
UniProt Accession #	P00451
NCBI Official Full Name	coagulation factor VIII isoform a preproprotein
NCBI Official Synonym Full Names	coagulation factor VIII
NCBI Official Symbol	F8
NCBI Official Synonym Symbols	AHF; F8B; F8C; HEMA; FVIII; DXS1253E
NCBI Protein Information	coagulation factor VIII
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.

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Online datasheet: <https://stage.aaabiotech.com/human-clia-kits/coagulation-factor-viii-f8/189047>