

Canine Coagulation Factor VIII (F8) ELISA Kit | F8 elisa kit

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CATALOG #
AAA135755

REACTIVITY
Canine

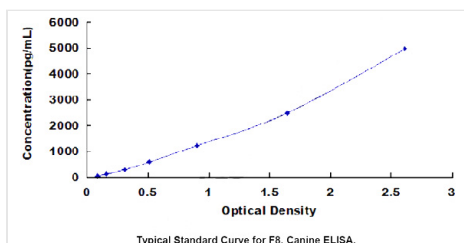
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of F8. No significant cross-reactivity or interference between F8 and analogues was observed.
Sequence Length	2319
Assay Type	Quantitative Sandwich
Samples	Canine plasma
Detection Range	78-5,000pg/mL
Sensitivity	< 28pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level F8 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 F8 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 F8 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to F8. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to F8. 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 F8, 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 F8 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of F8 in canine plasma.
Product Categories/Family for F8 elisa kit	Metabolic pathway; Hematology

NCBI AND UNIPROT INFORMATION

NCBI GI #	238624180
NCBI GeneID	14069
NCBI Accession #	NP_032003.2
NCBI GenBank Nucleotide #	NM_007977.2
UniProt Accession #	Q06194; A2AN88
Molecular Weight	266,196 Da
NCBI Official Full Name	coagulation factor VIII isoform 1
NCBI Official Synonym Full Names	coagulation factor VIII
NCBI Official Symbol	F8
NCBI Official Synonym Symbols	Cf8; Cf-8; FVIII
NCBI Protein Information	coagulation factor VIII
UniProt Protein Name	Coagulation factor VIII
UniProt Gene Name	F8
UniProt Synonym Gene Names	Cf8; F8c
UniProt Entry Name	FA8_MOUSE

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.