

Rat Complement 1 Inhibitor (C1INH) ELISA Kit | C1INH elisa kit

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CATALOG #
AAA148502

REACTIVITY
Rat

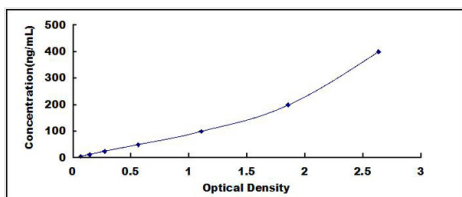
PRODUCT SYNONYMS

Complement 1 Inhibitor (C1INH); Rat Complement 1 Inhibitor (C1INH) ELISA Kit; SERPING1; C1IN; C1-INH; C1NH; HAE1; HAE2; Serpin Peptidase Inhibitor Clade G Member 1; Angioedema Hereditary; C1 Inhibitor; C1 Esterase Inhibitor; C1INH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Complement 1 Inhibitor (C1INH). No significant cross-reactivity or interference between Complement 1 Inhibitor (C1INH) and analogues was observed.
Sequence Length	504
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma and other biological fluids
Detection Range	6.25-400ng/mL
Sensitivity	2.61ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Complement 1 Inhibitor (C1INH) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Complement 1 Inhibitor (C1INH) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 C1INH elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Complement 1 Inhibitor (C1INH). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Complement 1 Inhibitor (C1INH). 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 Complement 1 Inhibitor (C1INH), 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 Complement 1 Inhibitor (C1INH) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for C1INH elisa kit	Infection immunity; Immune molecule

NCBI AND UNIPROT INFORMATION

NCBI GI #	40018558
NCBI GeneID	295703
NCBI Accession #	NP_954524.1
NCBI GenBank Nucleotide #	NM_199093.1
UniProt Accession #	Q6P734
Molecular Weight	55,611 Da
NCBI Official Full Name	plasma protease C1 inhibitor
NCBI Official Synonym Full Names	serpin family G member 1
NCBI Official Symbol	Serping1
NCBI Protein Information	plasma protease C1 inhibitor
UniProt Protein Name	Plasma protease C1 inhibitor
UniProt Gene Name	Serping1
UniProt Synonym Gene Names	C1 Inh; C1Inh

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/rat-elisa-kits/complement-1-inhibitor-c1inh/148502>