

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

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CATALOG #
AAA14012

REACTIVITY
Human

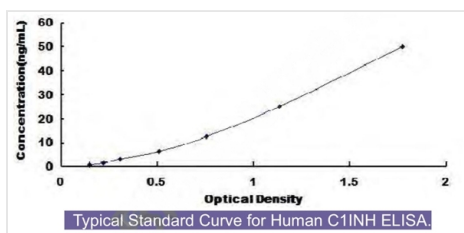
PRODUCT SYNONYMS

Complement 1 Inhibitor (C1INH); Human 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	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of C1INH. No significant cross-reactivity or interference between C1INH and analogues was observed.
Sequence Length	500
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma or other biological fluids
Detection Range	0.781-50ng/mL
Sensitivity	< 0.33ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level C1INH 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 C1INH were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for C1INH elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to C1INH. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to 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 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 $\pm$ 10nm. The concentration of C1INH 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 the in vitro quantitative measurement of C1INH in human serum, plasma or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	73858568
NCBI GeneID	710
NCBI Accession #	NP_000053.2
NCBI GenBank Nucleotide #	NM_000062.2
UniProt Accession #	P05155 ; Q16304 ; Q547W3 ; Q59EI5 ; Q7Z455 ; Q96FE0 ; Q9UC49 ; A6NMU0 ; A8KAI9 ; B2R6L5 ; B4E1F0 ; B4E1H2
Molecular Weight	55,769 Da
NCBI Official Full Name	plasma protease C1 inhibitor
NCBI Official Synonym Full Names	serpin family G member 1
NCBI Official Symbol	SERPING1
NCBI Official Synonym Symbols	C1IN; C1NH; HAE1; HAE2; C1INH
NCBI Protein Information	plasma protease C1 inhibitor
UniProt Protein Name	Plasma protease C1 inhibitor
UniProt Gene Name	SERPING1
UniProt Synonym Gene Names	C1IN; C1NH; 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://www.aaabiotech.com/human-elisa-kits/complement-1-inhibitor-c1inh/14012>