

Human Complement 1 Inhibitor (C1INH) CLIA Kit | C1INH clia kit

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CATALOG # AAA188897	REACTIVITY Human	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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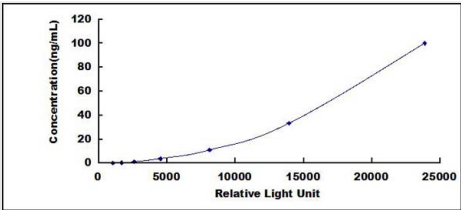
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
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	500
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	0.14-100ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.06ng/mL
Applicable Applications for C1INH clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	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%
Test Principle	The microplate 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 microplate 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. 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 Complement 1 Inhibitor (C1INH) 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 #	73858568
NCBI GeneID	710
NCBI Accession #	NP_000053.2
NCBI GenBank Nucleotide #	NP_000053.2
UniProt Accession #	P05155
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
UniProt Entry Name	IC1_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/complement-1-inhibitor-c1inh/188897>