

Rat Complement 1 Inhibitor ELISA Kit | C1INH elisa kit

Rat Complement 1 Inhibitor ELISA Kit

CATALOG #
AAA100812

REACTIVITY
Rat

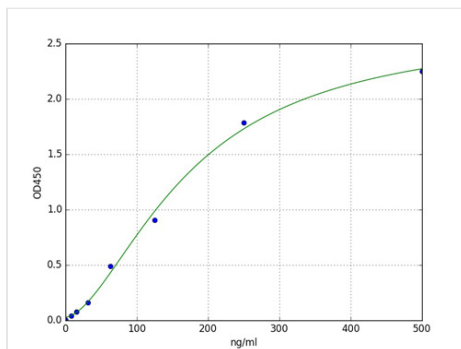
PRODUCT SYNONYMS

Complement 1 Inhibitor; Rat Complement 1 Inhibitor ELISA Kit; C1INH/SERPING1/C1IN/C1INH/C1NH/HAE1/HAE2/C1 Inhibitor/C1IN/C1INH/C1NH/HAE1/HAE2/SERPING1 serpin peptidase inhibitor; clade G (C1 inhibitor); member 1/Plasma protease C1 inhibitor/Serpin G1/C1 esterase inhibitor/C1-inhibiting factor; C1INH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	111
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	7.813-500ng/ml
Sensitivity	4.688ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Rat C1INH ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A-not applicable)

X	ng/ml	0	7.8	15.6	31.2	62.5	125	250	500
Y	OD450	0.035	0.122	0.143	0.249	0.442	0.837	1.520	2.492

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for C1INH elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Rat C1INH antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat C1INH antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat C1INH amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat C1INH can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	33465583
NCBI GeneID	710
Molecular Weight	55,769 Da
NCBI Official Full Name	C1 inhibitor mutant, partial
NCBI Official Synonym Full Names	serpin peptidase inhibitor, clade G (C1 inhibitor), 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/c1inh-rat-elisa-kits/complement-1-inhibitor/100812>