

Human C1 inhibitor/SerpinG1 ELISA Kit | C1 elisa kit

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CATALOG #
AAA258411

REACTIVITY
Human

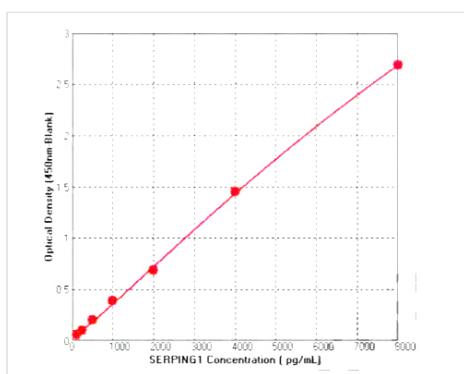
PRODUCT SYNONYMS

C1 inhibitor/SerpinG1; Human C1 inhibitor/SerpinG1 ELISA Kit; C1 inhibitor ELISA Kit; Human; serpin peptidase inhibitor; clade G (C1 inhibitor); member 1; C1IN ELISA Kit; C1INH ELISA Kit; C1NH ELISA Kit; HAE1 ELISA Kit; HAE2 ELISA Kit; C1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay recognizes both recombinant and natural Human SerpinG1. The factors listed below were prepared at 60 ng/mL in dilution buffer and assayed for cross -reactivity. No cross -reactivity was observed.
Assay Type	Sandwich
Samples	Serum
Detection Range	125-8000pg/mL
Sensitivity	27.4 pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay) - Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-assay Precision (Precision between assays) - Three samples of known concentration were tested in three separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for C1 elisa kit	Principle of the Assay: The principle of this ELISA kit is based on the Sandwich Enzyme-Linked Immunosorbent Assay (ELISA). The 96-well strip plate is pre-coated with a monoclonal antibody specific for Human C1 inhibitor / SerpinG1. Standards and Human C1 inhibitor / SerpinG1 present in the sample are bound by the immobilized antibody. After washing, a horseradish peroxidase conjugated anti-Human C1 inhibitor / SerpinG1 antibody is added, producing an antibody-antigen-antibody "sandwich complex". Following a wash to remove any unbound antibody-enzyme reagent, a TMB substrate solution is added to the wells and color develops in proportion to the amount of Human C1 inhibitor / SerpinG1 bound in the initial step. The color development is stopped and the intensity of the color is measured at 450 nm. Intended Uses: The kit applies for the accurate quantitation of Human C1 inhibitor / SerpinG1 from serum. The other biological fluids need to be validated by the end user due to the complexity of natural targets and unpredictable interference.
References	Davis AE 3rd, et al. (2004) Biological effects of C1 inhibitor. Drug News Perspect. 17(7): 439-46. Cicardi M, et al. (2005) C1 inhibitor: molecular and clinical aspects. Springer Semin Immunopathol. 27(3): 286-98. Wouters D, et al. (2008) C1 inhibitor: just a serine protease inhibitor. New and old considerations on therapeutic applications of C1 inhibitor. Expert Opin Biol Ther. 8(8): 1225-40. Cugno M, et al. (2009) C1-inhibitor deficiency and angioedema: molecular mechanisms and clinical progress. Trends Mol Med. 15(2): 69-78.

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-elisa-kits/c1-inhibitor-serpin1/258411>