

Human Serpin H1 ELISA Kit | SERPINH1 elisa kit

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CATALOG #
AAA101513

REACTIVITY
Human

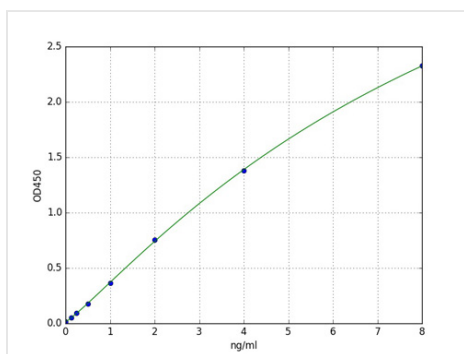
PRODUCT SYNONYMS

Serpin H1; Human Serpin H1 ELISA Kit; SERPINH1 (Serpin H1)/PIG14/CBP1/CBP2/HSP47/SERPINH2/Rheumatoid arthritis-related antigen RA-A47/Collagen-binding protein (Colligin)/Cell proliferation-inducing gene 14 protein/47 kDa heat shock protein/Arsenic-transactivated protein 3 (ASTP3); SERPINH1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	418
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	125-8000pg/ml
Sensitivity	75pg/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 Human SERPINH1 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	pg/ml	0	125	250	500	1000	2000	4000	8000
Y	OD450	0.022	0.092	0.155	0.268	0.501	0.875	1.341	1.935

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SERPINH1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human SERPINH1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human SERPINH1 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 Human SERPINH1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human SERPINH1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	333360851
NCBI GeneID	871
NCBI Accession #	NP_001193943.1
NCBI GenBank Nucleotide #	NM_001207014.1
Molecular Weight	46,441 Da
NCBI Official Full Name	serpin H1
NCBI Official Synonym Full Names	serpin peptidase inhibitor, clade H (heat shock protein 47), member 1, (collagen binding protein 1)
NCBI Official Symbol	SERPINH1
NCBI Official Synonym Symbols	CBP1; CBP2; OI10; gp46; AsTP3; HSP47; PIG14; PPR0M; RA-A47; SERPINH2
NCBI Protein Information	serpin H1
UniProt Protein Name	Serpin H1
UniProt Gene Name	SERPINH1
UniProt Synonym Gene Names	CBP1; CBP2; HSP47; SERPINH2; AsTP3; Colligin
UniProt Entry Name	SERPH_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/serpinh1-human-elisa-kits/serpin-h1/101513>