

Rat serpin peptidase inhibitor, clade H (heat shock protein 47) , member 1, (collagen binding protein 1) ELISA Kit | SERPINH1 elisa kit

Rat heat shock protein, HSP47 ELISA Kit

CATALOG # AAA79664	REACTIVITY Rat
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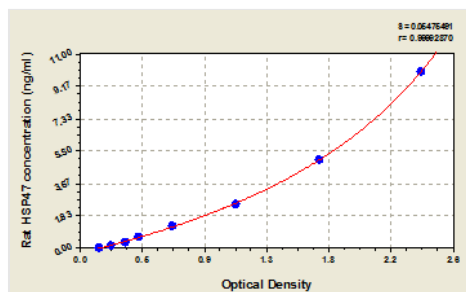
PRODUCT SYNONYMS

serpin peptidase inhibitor; clade H (heat shock protein 47); member 1; (collagen binding protein 1); Rat heat shock protein; HSP47 ELISA Kit; AsTP3; CBP1; CBP2; HSP47; PIG14; PPROM; RA-A47; SERPINH2; gp46; arsenic-transactivated protein 3; colligin-1; colligin-2; proliferation-inducing gene 14; rheumatoid arthritis antigen A-47; serine (or cys; SERPINH1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of rat HSP47. No significant cross-reactivity or interference between rat HSP47 and analogues was observed.
Sequence Length	417
Samples	Serum, plasma, tissue homogenates, cell lysates.
Assay Type	Sandwich
Detection Range	0.156 ng/ml -10 ng/ml.
Sensitivity	0.039 ng/ml.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SERPINH1 elisa kit	Principle of the Assay This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for HSP47 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any HSP47 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for HSP47 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of HSP47 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	8393057
NCBI GeneID	29345
NCBI Accession #	NP_058869.1
NCBI GenBank Nucleotide #	NM_017173.1
UniProt Accession #	P29457
Molecular Weight	46,518 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	Cbp2; Serpinh2
NCBI Protein Information	serpin H1; GP46; colligin; collagen-binding protein; 47 kDa heat shock protein; collagen binding protein 2; serpin peptidase inhibitor, clade H, member 1; serine (or cysteine) peptidase inhibitor, clade H, member 1; serine (or cysteine) proteinase inhibitor, clade H, member 1; serine proteinase inhibitor, clade H (heat shock protein 47), member 1; serine (or cysteine) proteinase inhibitor, clade H (heat shock protein 47), member 1; serine (or cysteine) proteinase inhibitor, clade H (heat shock protein 47), member 2
UniProt Protein Name	Serpin H1
UniProt Gene Name	Serpinh1
UniProt Synonym Gene Names	Cbp1; Hsp47; Colligin
UniProt Entry Name	SERPH_RAT

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-rat-elisa-kits/serpin-peptidase-inhibitor-clade-h-heat-shock-protein-47-member-1-collagen-binding-protein-1/79664>