

Rat Heat Shock Protein 47 ELISA Kit | HSP47 elisa kit

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CATALOG #
AAA101508

REACTIVITY
Rat

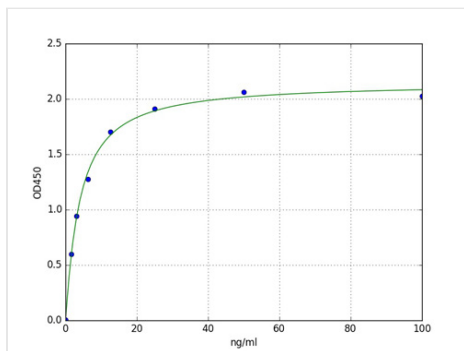
PRODUCT SYNONYMS

Heat Shock Protein 47; Rat Heat Shock Protein 47 ELISA Kit; HSP47; HSP47 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	405
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	1.563-100ng/ml
Sensitivity	0.938ng/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 HSP47 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	1.563	3.125	6.25	12.5	25	50	100
Y	OD450	0.004	0.516	0.839	1.348	1.680	2.486	1.772	2.109

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HSP47 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat HSP47 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat HSP47 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 HSP47 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat HSP47 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #

63511

UniProt Accession #	P13731; P29042
Molecular Weight	45,682 Da
NCBI Official Full Name	heat shock protein 47
UniProt Protein Name	Serpin H1
UniProt Gene Name	SERPINH1
UniProt Synonym Gene Names	HSP47; Colligin
UniProt Entry Name	SERPH_CHICK

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/hsp47-rat-elisa-kits/heat-shock-protein-47/101508>