

Rat HSP-70 ELISA Kit | HSP-70 elisa kit

Rat HSP-70 (Heat Shock Protein 70) ELISA Kit

CATALOG #
AAA165108

REACTIVITY
Rat

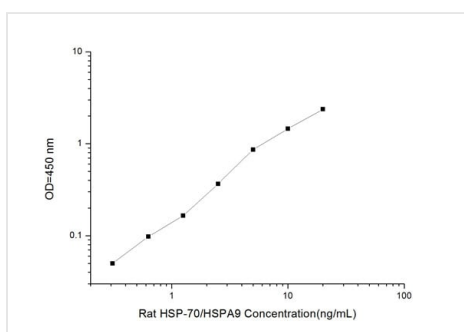
PRODUCT SYNONYMS

HSP-70; Rat HSP-70 (Heat Shock Protein 70) ELISA Kit; HSP-70 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This kit recognizes Rat HSP-70/HSPA9 in samples. No significant cross-reactivity or interference between Rat HSP-70/HSPA9 and analogues was observed.
Sequence Length	660
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.31-20ng/mL
Sensitivity	0.19ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Rat HSP-70/HSPA9 were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Rat HSP-70/HSPA9 were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HSP-70 elisa kit	Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Rat HSP-70/HSPA9 concentrations in serum, plasma and other biological fluids. Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Rat HSP-70/HSPA9. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Rat HSP-70/HSPA9 and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Rat HSP- 70/HSPA9, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Rat HSP-70/HSPA9. You can calculate the concentration of Rat HSP-70/HSPA9 in the samples by comparing the OD of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	15605121
NCBI GeneID	884718
NCBI Accession #	NP_219906.1
NCBI GenBank Nucleotide #	NC_000117.1
UniProt Accession #	P17821; O84401; P16896; Q46400
Molecular Weight	70,824 Da
NCBI Official Full Name	chaperone protein DnaK
NCBI Official Symbol	dnaK
NCBI Protein Information	chaperone protein DnaK
UniProt Protein Name	Chaperone protein DnaK
UniProt Gene Name	dnaK
UniProt Entry Name	DNAK_CHLTR

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/rat-elisa-kits/hsp-70/165108>