

Rat heat shock 27kDa protein 1 ELISA Kit | HSPB1 elisa kit

Rat heat shock protein 27, HSP-27 ELISA Kit

CATALOG #
AAA79474

REACTIVITY
Rat

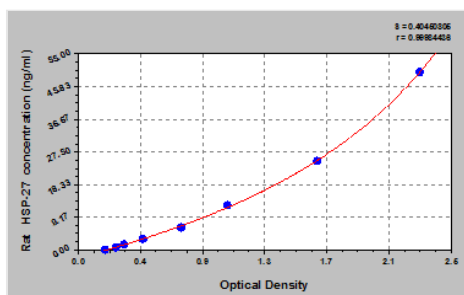
PRODUCT SYNONYMS

heat shock 27kDa protein 1; Rat heat shock protein 27; HSP-27 ELISA Kit; CMT2F; DKFZp586P1322; HMN2B; HS.76067; HSP27; HSP28; Hsp25; SRP27; estrogen-regulated 24 kDa protein; heat shock 27kD protein 1; heat shock protein beta-1; stress-responsive protein 27; HSPB1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat HSPB1. No significant cross-reactivity or interference between Rat HSPB1 and analogues was observed.
Sequence Length	205
Samples	Serum, plasma, tissue homogenates
Detection Range	0.78 ng/ml-50 ng/ml
Sensitivity	0.195 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Protein Biological Process 1	Neurobiology
Protein Biological Process 3	Stress response
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 HSPB1 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to HSP-27. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for HSP-27 and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5'-tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain HSP-27, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of HSP-27 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	94400790
NCBI GeneID	24471
NCBI Accession #	NP_114176.3
NCBI GenBank Nucleotide #	NM_031970.3
UniProt Accession #	P42930; Q63922; Q9QWA8
Molecular Weight	22,893 Da
NCBI Official Full Name	heat shock protein beta-1
NCBI Official Synonym Full Names	heat shock protein B1
NCBI Official Symbol	Hspb1
NCBI Official Synonym Symbols	Hsp25; Hsp27
NCBI Protein Information	heat shock protein beta-1; HSP 27; heat shock protein 1; heat shock 27kDa protein 1; heat shock 27 kDa protein 1
UniProt Protein Name	Heat shock protein beta-1
UniProt Gene Name	Hspb1
UniProt Synonym Gene Names	Hsp27; HspB1; HSP 27
UniProt Entry Name	HSPB1_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/hspb1-rat-elisa-kits/heat-shock-27kda-protein-1/79474>