

Rat Heat Shock 60kD Protein 1, Chaperonin (HSPD1) ELISA Kit | HSPD1 elisa kit

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CATALOG #
AAA63330

REACTIVITY
Rat

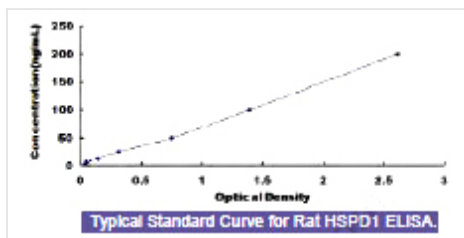
PRODUCT SYNONYMS

Heat Shock 60kD Protein 1; Chaperonin (HSPD1); Rat Heat Shock 60kD Protein 1; Chaperonin (HSPD1) ELISA Kit; HSP60; GROEL; CPN60; HuCHA60; Heat Shock Protein 60; Spastic Paraplegia 13; Autosomal Dominant; 60 kDa chaperonin; Mitochondrial matrix protein P1; P60 lymphocyte protein; HSPD1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of HSPD1. No significant cross-reactivity or interference between HSPD1 and analogues was observed.
Sequence Length	573
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	3.125-200ng/mL
Sensitivity	1.27ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level HSPD1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level HSPD1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HSPD1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of HSPD1 in rat serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to HSPD1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to HSPD1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain HSPD1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of HSPD1 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 #	206597443
NCBI GeneID	63868
NCBI Accession #	NP_071565.2
NCBI GenBank Nucleotide #	NM_022229.2
UniProt Accession #	P63039; P19226; P19227; P97602
Molecular Weight	60,955 Da
NCBI Official Full Name	60 kDa heat shock protein, mitochondrial
NCBI Official Synonym Full Names	heat shock protein family D member 1
NCBI Official Symbol	Hspd1
NCBI Official Synonym Symbols	Hsp60; Hspd1-30p
NCBI Protein Information	60 kDa heat shock protein, mitochondrial
UniProt Protein Name	60 kDa heat shock protein, mitochondrial
UniProt Gene Name	Hspd1
UniProt Synonym Gene Names	Hsp60; CPN60; HSP-60; Hsp60

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/heat-shock-60kd-protein-1-chaperonin-hspd1/63330>