

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

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CATALOG #
AAA137016

REACTIVITY
Mouse

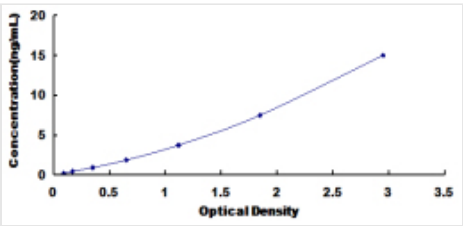
PRODUCT SYNONYMS

Heat Shock 60kD Protein 1; Chaperonin (HSPD1); Mouse 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	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Heat Shock 60kD Protein 1, Chaperonin (HSPD1). No significant cross-reactivity or interference between Heat Shock 60kD Protein 1, Chaperonin (HSPD1) and analogues was observed.
Sequence Length	575
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	1.56-100ng/mL
Sensitivity	0.59ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Heat Shock 60kD Protein 1, Chaperonin (HSPD1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Heat Shock 60kD Protein 1, Chaperonin (HSPD1) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HSPD1 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Heat Shock 60kD Protein 1, Chaperonin (HSPD1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Heat Shock 60kD Protein 1, Chaperonin (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 Heat Shock 60kD Protein 1, Chaperonin (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 Heat Shock 60kD Protein 1, Chaperonin (HSPD1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for HSPD1 elisa kit	Signal transduction; Tumor immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	46329692
NCBI GeneID	282676
Molecular Weight	61,196 Da
NCBI Official Full Name	Heat shock 60kD protein 1 (chaperonin)
NCBI Official Synonym Full Names	heat shock 60 protein 1
NCBI Official Symbol	hspd1
NCBI Official Synonym Symbols	cb863; cpn60; fa04a05; fb22d10; fi27b05; sb:cb144; id:ibd2197; wu:fa04a05; wu:fb22d10; wu:fi04a12; wu:fi27b05
NCBI Protein Information	60 kDa heat shock protein, mitochondrial
UniProt Protein Name	Heat shock 60kD protein 1 (Chaperonin)
UniProt Gene Name	hspd1
UniProt Entry Name	Q803B0_DANRE

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/mouse-elisa-kits/heat-shock-60kd-protein-1-chaperonin-hspd1/137016>