

Mouse Heat Shock Protein 60 (Hsp60) CLIA Kit | Hsp60 clia kit

Heat Shock Protein 60 (Hsp60) CLIA Kit

CATALOG # AAA189320	REACTIVITY Mouse	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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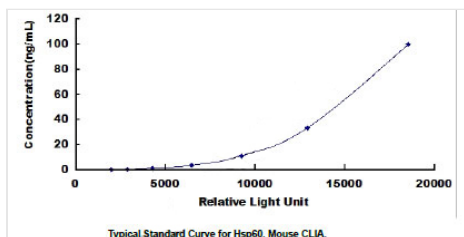
PRODUCT SYNONYMS

Heat Shock Protein 60 (Hsp60); Heat Shock Protein 60 (Hsp60) CLIA Kit; HSPD1; GROEL; CPN60; HuCHA60; Heat Shock 60kD Protein 1; Chaperonin; Spastic Paraplegia 13; Autosomal Dominant; 60 kDa chaperonin; Mitochondrial matrix protein P1; P60 lymphocyte protein; Hsp60 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Hsp60. No significant cross-reactivity or interference between Hsp60 and analogues was observed.
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.14-100ng/mL
Sensitivity	< 0.04ng/mL
Applicable Applications for Hsp60 clia kit	CLIA (Chemiluminescence Immunoassay)
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Hsp60 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 Hsp60 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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 Hsp60 clia kit	Intended Uses: The Chemiluminescent Immunoassay kit is designed for the in vitro sensitive quantitative measurement of Hsp60 in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to Hsp60. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Hsp60. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Hsp60 level in the sample or standard.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	183396771
NCBI GeneID	15510
NCBI Accession #	NP_034607.3
NCBI GenBank Nucleotide #	NM_010477.4
UniProt Accession #	P63038; P19226; P19227; P97602; Q3KQP2; Q3UIP0; Q8C2C7; Q8VEF4
Molecular Weight	27,015 Da
NCBI Official Full Name	60 kDa heat shock protein, mitochondrial
NCBI Official Synonym Full Names	heat shock protein 1 (chaperonin)
NCBI Official Symbol	Hspd1
NCBI Official Synonym Symbols	60kDa; CPN60; Hsp60; HSP-60; HSP-65
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.