

Human HSP60 ELISA Kit | HSPD1 elisa kit

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CATALOG #
AAA263336

REACTIVITY
Human

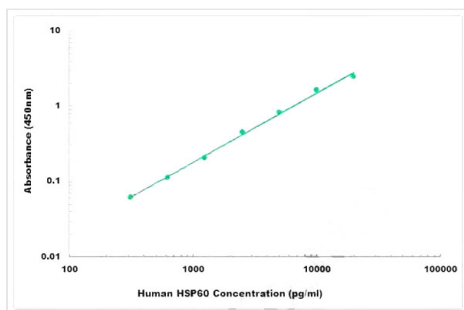
PRODUCT SYNONYMS

HSP60; Human HSP60 ELISA Kit; 60 kDa heat shock protein; mitochondrial; 60 kDa chaperonin; Chaperonin 60; CPN60; Heat shock protein 60; HSP-60; Hsp60; HuCHA60; Mitochondrial matrix protein P1; P60 lymphocyte protein; HSPD1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human HSP60 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human HSP60 proteins within the range of 312 pg/ml - 20,000 pg/ml.
Sequence Length	158
Samples	Culture Supernates, Serum, Plasma, Cell Lysates, Tissue Homogenates
Sensitivity	< 150 pg/ml
Preparation and Storage	Store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HSPD1 elisa kit	Background: Heat shock proteins (HSPs) are a family of highly conserved stress response proteins. Heat shock proteins function primarily as molecular chaperones by facilitating the folding of other cellular proteins, preventing protein aggregation or targeting improperly folded proteins to specific degradative pathways. HSPs are typically expressed at low levels under normal physiological conditions but are dramatically upregulated in response to cellular stress. Heat Shock Protein 60 (HSP60), also known as Chaperonin 60 (CPN60), is a mitochondrial matrix protein belonging to a highly conserved family of molecular chaperone and stress response proteins. HSP60 plays a role in stabilizing and refolding proteins in response to heat-shock or other cellular stress. Principle of the Assay: The Human HSP60 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human HSP60 in Cell Culture Supernates, Serum, Plasma, Cell Lysates, Tissue Homogenates. This assay employs an antibody specific for Human HSP60 coated on a 96-well plate. Standards and samples are pipetted into the wells and HSP60 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human HSP60 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of HSP60 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	31542947
NCBI GeneID	3329
NCBI Accession #	NP_002147.2
NCBI GenBank Nucleotide #	NM_002156.4
UniProt Accession #	P10809; Q38L19; Q9UCR6; B2R5M6; B7Z712
Molecular Weight	17,100 Da
NCBI Official Full Name	60 kDa heat shock protein, mitochondrial
NCBI Official Synonym Full Names	heat shock protein family D (Hsp60) member 1
NCBI Official Symbol	HSPD1
NCBI Official Synonym Symbols	HLD4; CPN60; GROEL; HSP60; HSP65; SPG13; HSP-60; HuCHA60
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.