

Porcine 60 kDa heat shock protein, mitochondrial (HSPD1) ELISA Kit | HSPD1 elisa kit

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CATALOG #
AAA246629

REACTIVITY
Porcine

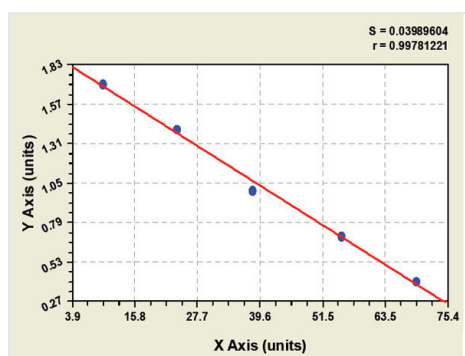
PRODUCT SYNONYMS

60 kDa heat shock protein; mitochondrial (HSPD1); Porcine 60 kDa heat shock protein; mitochondrial (HSPD1) ELISA Kit; HSPD1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This HSPD1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine HSPD1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HSPD1 elisa kit

Principle of the assay: HSPD1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-HSPD1 antibody and an HSPD1-HRP conjugate. The assay sample and buffer are incubated together with HSPD1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the HSPD1 concentration since HSPD1 from samples and HSPD1-HRP conjugate compete for the anti-HSPD1 antibody binding site. Since the number of sites is limited, as more sites are occupied by HSPD1 from the sample, fewer sites are left to bind HSPD1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HSPD1 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for HSPD1 elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	31542947
NCBI GeneID	3329
NCBI Accession #	NP_002147.2
NCBI GenBank Nucleotide #	NM_002156.4
Molecular Weight	61,055 Da
NCBI Official Full Name	60 kDa heat shock protein, mitochondrial
NCBI Official Synonym Full Names	heat shock 60kDa protein 1 (chaperonin)
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; chaperonin 60; 60 kDa chaperonin; heat shock protein 65; P60 lymphocyte protein; mitochondrial matrix protein P1; short heat shock protein 60 Hsp60s1
UniProt Protein Name	60 kDa heat shock protein, mitochondrial
UniProt Gene Name	HSPD1
UniProt Synonym Gene Names	HSP60; CPN60; HSP-60; Hsp60
UniProt Entry Name	CH60_HUMAN

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/porcine-elisa-kits/60-kda-heat-shock-protein-mitochondrial-hspd1/246629>