

Bovine HSP60 (Heat shock protein 60) ELISA Kit | HSP60 elisa kit

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CATALOG #
AAA248407

REACTIVITY
Bovine

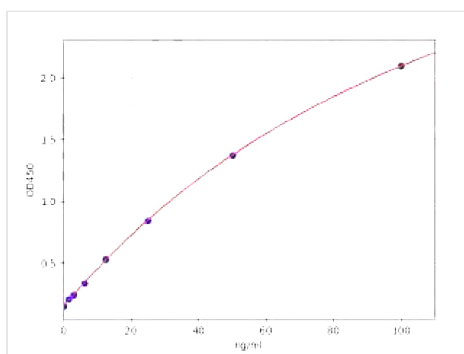
PRODUCT SYNONYMS

HSP60 (Heat shock protein 60); Bovine HSP60 (Heat shock protein 60) ELISA Kit; HSP60 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	Specifically recognize HSP60, no obvious cross reaction with other analogues
Sequence Length	573
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	1.563-100ng/ml
Sensitivity	0.938ng/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HSP60 elisa kit	Background: HSP60 has been known as a mitochondrial protein that is important for folding key proteins after import into the mitochondria. Research studies have shown that a significant amount of HSP60 is also present in the cytosol of many cells, and that it is induced by stress, inflammatory and immune responses, and autoantibodies correlated with Alzheimer's, coronary artery diseases, MS, and diabetes. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti HSP60 antibody was precoated onto the 96-well plate. The biotin conjugated anti HSP60 antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with HSP60 conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of HSP60 in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	124056461
NCBI GeneID	511913
UniProt Accession #	P31081
Molecular Weight	61,108 Da
NCBI Official Full Name	60 kDa heat shock protein, mitochondrial
NCBI Official Symbol	HSPD1
NCBI Official Synonym Symbols	HSP60
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/bovine-ovine-elisa-kits/hsp60-heat-shock-protein-60/248407>