

Bovine heat shock 70kDa protein 2 ELISA Kit | HSPA2 elisa kit

Bovine Heat Shock Protein 72, HSP-72 ELISA Kit

CATALOG #
AAA80832

REACTIVITY
Bovine

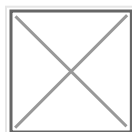
PRODUCT SYNONYMS

heat shock 70kDa protein 2; Bovine Heat Shock Protein 72; HSP-72 ELISA Kit; Bovine Heat Shock Protein 72 (HSP-72) ELISA Kit; HSP70-2; HSP70-3; OTTHUMP00000180664; heat shock 70kD protein 2; HSPA2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of Bovine HSPA2. No significant cross-reactivity or interference between Bovine HSPA2 and analogues was observed.
Sequence Length	631
Samples	Serum, plasma, tissue homogenates
Detection Range	0.312 ng/ml-20 ng/ml
Sensitivity	0.078 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Protein Biological Process 1	Neurobiology
Protein Biological Process 3	Stress response
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HSPA2 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to trypsinogen 1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for trypsinogen 1 and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain trypsinogen 1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of trypsinogen 1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	41386699
NCBI GeneID	281827
NCBI Accession #	NP_776769.1
NCBI GenBank Nucleotide #	NM_174344.1
UniProt Accession #	P34933; Q3MHP7
Molecular Weight	69,740 Da
NCBI Official Full Name	heat shock-related 70 kDa protein 2
NCBI Official Synonym Full Names	heat shock 70kDa protein 2<
NCBI Official Symbol	HSPA2
NCBI Official Synonym Symbols	HSPA3
NCBI Protein Information	heat shock-related 70 kDa protein 2; HSP70.3; heat shock 70 kD protein 3; heat shock 70kDa protein 3; heat shock 70 kDa protein 3; heat shock 70kDa protein 1A
UniProt Protein Name	Heat shock-related 70 kDa protein 2
UniProt Gene Name	HSPA2
UniProt Synonym Gene Names	HSP70-3; HSPA3; HSP70.3
UniProt Entry Name	HSP72_BOVIN

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/hspa2-bovine-ovine-elisa-kits/heat-shock-70kda-protein-2/80832>