

Bovine Heat Shock 70kDa Protein 1B (HSPA1B) ELISA Kit | HSPA1B elisa kit

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CATALOG #
AAA137380

REACTIVITY
Bovine

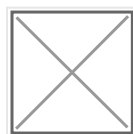
PRODUCT SYNONYMS

Heat Shock 70kDa Protein 1B (HSPA1B); Bovine Heat Shock 70kDa Protein 1B (HSPA1B) ELISA Kit; HSP70-2; HSP-A1B; Heat Shock Protein 72; HSPA1B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of Heat Shock 70kDa Protein 1B (HSPA1B). No significant cross-reactivity or interference between Heat Shock 70kDa Protein 1B (HSPA1B) and analogues was observed.
Sequence Length	641
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates and other biological fluids
Detection Range	1.56-100ng/mL
Sensitivity	0.53ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Heat Shock 70kDa Protein 1B (HSPA1B) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Heat Shock 70kDa Protein 1B (HSPA1B) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 HSPA1B elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Heat Shock 70kDa Protein 1B (HSPA1B). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Heat Shock 70kDa Protein 1B (HSPA1B). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Heat Shock 70kDa Protein 1B (HSPA1B), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Heat Shock 70kDa Protein 1B (HSPA1B) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for HSPA1B elisa kit	Infection immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	167466173
NCBI GeneID	3304
NCBI Accession #	NP_005337.2
NCBI GenBank Nucleotide #	NM_005346.4
UniProt Accession #	P08107; P19790; Q5JQI4; Q5SP17; Q9UQL9; Q9UQM0; B4E3B6; P0DMV9
Molecular Weight	70,052 Da
NCBI Official Full Name	heat shock 70 kDa protein 1A/1B
NCBI Official Synonym Full Names	heat shock 70kDa protein 1B
NCBI Official Symbol	HSPA1B
NCBI Official Synonym Symbols	HSP70-2; HSP70.2; HSP70-1B
NCBI Protein Information	heat shock 70 kDa protein 1B
UniProt Protein Name	Heat shock 70 kDa protein 1B
UniProt Gene Name	HSPA1B
UniProt Synonym Gene Names	HSP70.2
UniProt Entry Name	HS71B_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/bovine-ovine-elisa-kits/heat-shock-70kda-protein-1b-hspa1b/137380>