

Bovine Heat Shock 70kDa Protein 1A (HSPA1A) RTU ELISA Kit | HSPA1A rtu elisa kit

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CATALOG #
AAA71249

REACTIVITY
Bovine

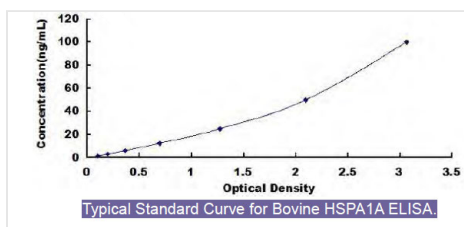
PRODUCT SYNONYMS

Heat Shock 70kDa Protein 1A (HSPA1A); Bovine Heat Shock 70kDa Protein 1A (HSPA1A) ELISA Kit; HSP70-1; HSP-A1A; HSPA1; HSP70-2; HSX70; HSPA1A rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of HSPA1A. No significant cross-reactivity or interference between HSPA1A and analogues was observed.
Sequence Length	641
Assay Type	Quantitative Sandwich
Samples	Bovine serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids
Detection Range	1.56-100ng/mL
Sensitivity	< 0.61ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level HSPA1A were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level HSPA1A were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HSPA1A rtu elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to HSPA1A. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to HSPA1A. 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 HSPA1A, 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 HSPA1A in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of HSPA1A in bovine serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	40254806
NCBI GeneID	281825
NCBI Accession #	NP_776975.1
NCBI GenBank Nucleotide #	NM_174550.1
UniProt Accession #	Q27975; Q27964; Q6DLW1; Q7YQF7
Molecular Weight	70,259 Da
UniProt Protein Name	Heat shock 70 kDa protein 1A
UniProt Gene Name	HSPA1A
UniProt Synonym Gene Names	HSP70-1; HSP70.1

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-rtu-elisa-kits/heat-shock-70kda-protein-1a-hspa1a/71249>