

Mouse Heat Shock 70kDa Protein 1A (HSPA1A) ELISA Kit | HSPA1A elisa kit

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CATALOG #
AAA64879

REACTIVITY
Mouse

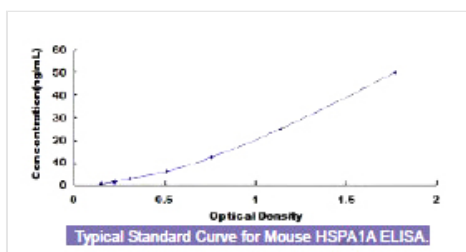
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
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
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.781-50ng/mL
Sensitivity	0.28ng/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 kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HSPA1A elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of HSPA1A in mouse serum, plasma, tissue homogenates and other biological fluids. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	124339829
NCBI GeneID	193740
NCBI Accession #	NP_034609.2
NCBI GenBank Nucleotide #	NM_010479.2
UniProt Accession #	Q61696; Q61697; Q7TQD8; Q9QWJ5
Molecular Weight	70,079 Da
NCBI Official Full Name	heat shock 70 kDa protein 1A
NCBI Official Synonym Full Names	heat shock protein 1A
NCBI Official Symbol	Hspa1a
NCBI Official Synonym Symbols	Hsp72; hsp68; Hsp70-3; Hsp70.3; hsp70A1
NCBI Protein Information	heat shock 70 kDa protein 1A
UniProt Protein Name	Heat shock 70 kDa protein 1A
UniProt Gene Name	Hspa1a
UniProt Synonym Gene Names	Hsp70-3; Hsp70A1; HSP70.3

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/mouse-elisa-kits/heat-shock-70kda-protein-1a-hspa1a/64879>