

Mouse heat shock 70kDa protein 1A ELISA Kit | HSPA1A elisa kit

Mouse Heat Shock Protein 70, Hsp-70 ELISA Kit

CATALOG #
AAA80120

REACTIVITY
Mouse

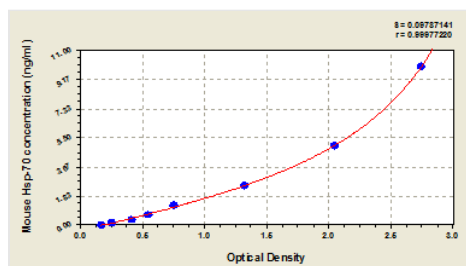
PRODUCT SYNONYMS

heat shock 70kDa protein 1A; Mouse Heat Shock Protein 70; Hsp-70 ELISA Kit; DAQB-147D11.1; FLJ54303; FLJ54370; FLJ54392; FLJ54408; FLJ75127; HSP70-1; HSP70-1A; HSP70I; HSP72; HSPA1; HSPA1B; dnaK-type molecular chaperone HSP70-1; heat shock 70kD protein 1A; heat shock-induced; HSPA1A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of mouse Hsp-70. No significant cross-reactivity or interference between mouse Hsp-70 and analogues was observed.
Sequence Length	641
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	0.156 ng/ml-10 ng/ml.
Sensitivity	The minimum detectable dose of mouse Hsp-70 is typically less than 0.039 ng/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
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 HSPA1A elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for Hsp-70 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any Hsp-70 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for Hsp-70 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of Hsp-70 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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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; 68 kDa heat shock protein; heat shock 70 kDa protein 3; heat shock 70kDa protein 1A; heat shock protein, 70 kDa 3; inducible heat shock protein 70
UniProt Protein Name	Heat shock 70 kDa protein 1A
UniProt Gene Name	Hspa1a
UniProt Synonym Gene Names	Hsp70-3; Hsp70A1; HSP70.3
UniProt Entry Name	HS71A_MOUSE

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/hspa1a-mouse-elisa-kits/heat-shock-70kda-protein-1a/80120>