

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

Rat heat shock protein 70, hSP-70 ELISA Kit

CATALOG #
AAA79986

REACTIVITY
Rat

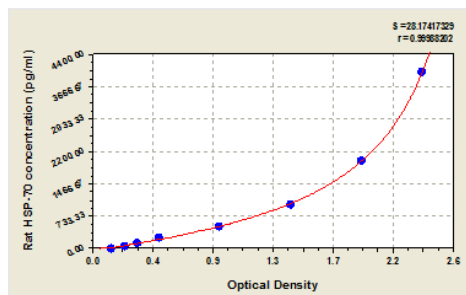
PRODUCT SYNONYMS

heat shock 70kDa protein 1A; Rat 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	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of rat hSP-70. No significant cross-reactivity or interference between rat hSP-70 and analogues was observed.
Sequence Length	641
Samples	Serum, plasma, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	62.5 pg/ml-4000 pg/ml
Sensitivity	< 15.6 pg/ml
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 #	260064045
NCBI GeneID	24472
NCBI Accession #	NP_114177.2
NCBI GenBank Nucleotide #	NM_031971.2
UniProt Accession #	Q07439; P42853; Q63256
Molecular Weight	70,185 Da
NCBI Official Full Name	heat shock 70 kDa protein 1A/1B
NCBI Official Synonym Full Names	heat shock 70kD protein 1A
NCBI Official Symbol	Hspa1a
NCBI Official Synonym Symbols	HSP72; Hspa1; Hspa1b; Hsp70-1
NCBI Protein Information	heat shock 70 kDa protein 1A/1B; HSP70.1/2; HSP70-1/HSP70-2; heat shock protein 70-1; heat shock 70 kDa protein 1/2
UniProt Protein Name	Heat shock 70 kDa protein 1A/1B
UniProt Gene Name	Hspa1a
UniProt Synonym Gene Names	Hsp70-1; Hspa1 Hspa1b; Hsp70-2; Hspa2; HSP70-1/HSP70-2; HSP70.1/HSP70.2
UniProt Entry Name	HSP71_RAT

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-rat-elisa-kits/heat-shock-70kda-protein-1a/79986>