

Mouse Heat Shock Protein 72 ELISA Kit | HSP72 elisa kit

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CATALOG #
AAA16185

REACTIVITY
Mouse

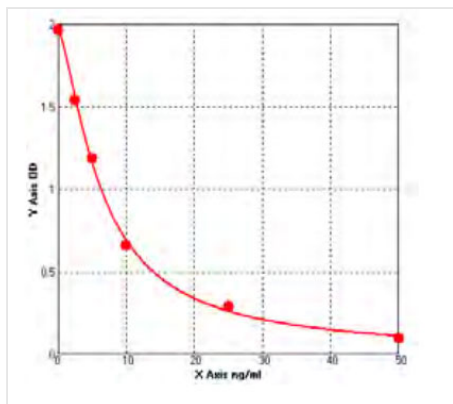
PRODUCT SYNONYMS

Heat Shock Protein 72; Mouse Heat Shock Protein 72 ELISA Kit; HSP72 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of HSP-72. No significant cross-reactivity or interference between HSP-72 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between HSP-72 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HSP72 elisa kit	Principle of the Assay: HSP-72 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-HSP-72 antibody and an HSP-72-HRP conjugate. The assay sample and buffer are incubated together with HSP-72-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the HSP-72 concentration since HSP-72 from samples and HSP-72-HRP conjugate compete for the anti-HSP-72 antibody binding site. Since the number of sites is limited, as more sites are occupied by HSP-72 from the sample, fewer sites are left to bind HSP-72-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HSP-72 concentration in each sample is interpolated from this standard curve. Intended Uses: This HSP-72 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse HSP-72. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for HSP72 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	194248072
NCBI GeneID	3303
NCBI Accession #	NP_005336.3
NCBI GenBank Nucleotide #	NM_005345.5
Molecular Weight	63,937 Da
NCBI Official Full Name	heat shock 70 kDa protein 1A/1B
NCBI Official Synonym Full Names	heat shock 70kDa protein 1A
NCBI Official Symbol	HSPA1A
NCBI Official Synonym Symbols	HSP72; HSPA1; HSP70I; HSP70-1; HSP70-1A; HEL-S-103
NCBI Protein Information	heat shock 70 kDa protein 1A/1B; HSP70-1/HSP70-2; heat shock 70kD protein 1A; heat shock-induced protein; heat shock 70 kDa protein 1/2; epididymis secretory protein Li 103; dnaK-type molecular chaperone HSP70-1
UniProt Protein Name	Heat shock 70 kDa protein 1A/1B
UniProt Gene Name	HSPA1A
UniProt Synonym Gene Names	HSPA1; HSX70 HSPA1B; HSP70-1/HSP70-2; HSP70.1/HSP70.2
UniProt Entry Name	HSP71_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.