

Human Heat shock 70 kDa protein 1B (HSPA1B) ELISA Kit | HSPA1B elisa kit

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CATALOG #
AAA245581

REACTIVITY
Human

PRODUCT SYNONYMS

Heat shock 70 kDa protein 1B (HSPA1B); Human Heat shock 70 kDa protein 1B (HSPA1B) ELISA Kit; HSPA1B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This HSP701B ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human HSP701B. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HSPA1B elisa kit

Principle of the assay: HSP701B ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-HSP701B antibody and an HSP701B-HRP conjugate. The assay sample and buffer are incubated together with HSP701B-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 HSP701B concentration since HSP701B from samples and HSP701B-HRP conjugate compete for the anti-HSP701B antibody binding site. Since the number of sites is limited, as more sites are occupied by HSP701B from the sample, fewer sites are left to bind HSP701B-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HSP701B concentration in each sample is interpolated from this standard curve.

Product Categories/Family for HSPA1B elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	167466173
NCBI GeneID	3304

NCBI Accession #	NP_005337.2
NCBI GenBank Nucleotide #	NM_005346.4
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 1B
NCBI Official Symbol	HSPA1B
NCBI Official Synonym Symbols	HSP70-2; HSP70-1B
NCBI Protein Information	heat shock 70 kDa protein 1A/1B; HSP70-1/HSP70-2; heat shock 70kD protein 1B; 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	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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/heat-shock-70-kda-protein-1b-hspa1b/245581>