

Human HSP72 (Heat Shock Protein 72) ELISA Kit | HSP72 elisa kit

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CATALOG #
AAA17769

REACTIVITY
Human

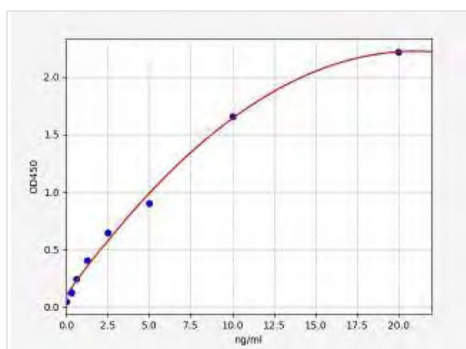
PRODUCT SYNONYMS

HSP72 (Heat Shock Protein 72); Human HSP72 (Heat Shock Protein 72); HSP72 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Specifically recognize HSP72, no obvious cross reaction with other analogues
Assay Type	Sandwich
Samples	Cell lysates, tissue homogenates and other biological samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HSP72 elisa kit	Background: Heat Shock Protein 72 (HSP72), also known as Heat Shock Protein 1A (HSPA1A), is a member of the HSP70 family of molecular chaperones. HSP72 promotes the proper folding of nascent polypeptides and assists in the refolding of denatured proteins. However, if either of these processes proceeds too slowly or fails, HSP72 can interact with the HSP40 co-chaperone protein and the CHIP/STUB1 Ubiquitin ligase (E3) to promote ubiquitination and degradation of the nascent polypeptide or denatured protein. Pathologically, HSP72 has been implicated in the promotion of multiple cancer types. Conversely, it is thought to protect against several neurodegenerative diseases that are caused by the accumulation of misfolded proteins. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti HSP72 antibody was pre-coated onto the 96-well plate. The biotin conjugated anti HSP72 antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with HSP72 conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of HSP72 in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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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/hsp72-heat-shock-protein-72/17769>