

Human HSP27 / HSPB1 ELISA Kit | HSP27 / HSPB1 elisa kit

HSP27 / HSPB1 Human ELISA Kit

CATALOG # AAA59032	REACTIVITY Human	APPLICATIONS ELISA
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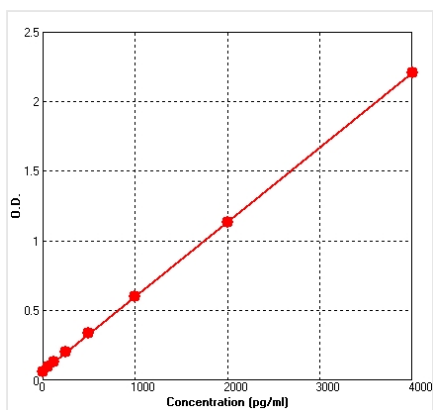
PRODUCT SYNONYMS

HSP27 / HSPB1; HSP27 / HSPB1 Human ELISA Kit; Human HSP27 / HSPB1; HSP27 / HSPB1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Detection Range	62.5 pg/ml-4000 pg/ml
Sensitivity	< 5pg/ml
Applicable Applications for HSP27 / HSPB1 elisa kit	ELISA
Preparation and Storage	Store at 2-8 degree C for 4 months, or at -20 degree C for 8 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HSP27 / HSPB1 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-HSP27 polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- HSP27 polyclonal antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the HSP27 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of HSP27 can be calculated. Background: Heat shock protein 27 (Hsp27) also known as heat shock protein beta-1 (HSPB1), is a protein that in humans is encoded by the HSPB1 gene. Hsp27 appears in many cell types, especially all types of muscle cells. It is located mainly in the cytosol, but also in the perinuclear region, endoplasmatic reticulum, and nucleus. It is overexpressed during different stages of cell differentiation and development. The main function of Hsp27 is to provide thermotolerance in vivo, cytoprotection, and support of cell survival under stress conditions. Another function of Hsp27 is the activation of the proteasome. It is also involved in the apoptotic signalling pathway.
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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/hsp27-hspb1/59032>