

Human Heat Shock Protein 27 ELISA Kit | HSP27 elisa kit

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CATALOG #
AAA84975

REACTIVITY
Human

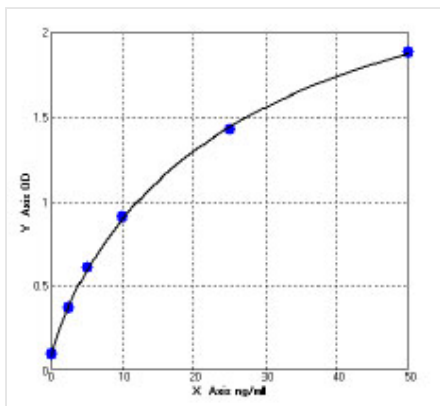
PRODUCT SYNONYMS

Heat Shock Protein 27; Human Heat Shock Protein 27 ELISA Kit; HSP27 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of HSP27. No significant cross-reactivity or interference between HSP27 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between HSP27 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
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 HSP27 elisa kit	Intended Uses: This HSP27 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantiHSP27ive determination of Human HSP27. This ELISA kit for research use only! Principle of the Assay: HSP27 ELISA kit applies the quantiHSP27ive sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with an antibody specific for HSP27. Standards or samples are then added to the microtiter plate wells and HSP27 if present, will bind to the antibody pre-coated wells. In order to quantiHSP27ively determine the amount of HSP27 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for HSP27 are added to each well to "sandwich" the HSP27 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain HSP27 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HSP27 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for HSP27 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	11036357
NCBI GeneID	3315
Molecular Weight	22,783 Da
NCBI Official Full Name	HSP27
NCBI Official Synonym Full Names	heat shock 27kDa protein 1
NCBI Official Symbol	HSPB1
NCBI Official Synonym Symbols	CMT2F; HMN2B; HSP27; HSP28; Hsp25; SRP27; HS.76067; HEL-S-102
NCBI Protein Information	heat shock protein beta-1; HSP 27; 28 kDa heat shock protein; heat shock 27 kDa protein; heat shock 27kD protein 1; stress-responsive protein 27; estrogen-regulated 24 kDa protein; epididymis secretory protein Li 102
UniProt Protein Name	Heat shock protein beta-1
UniProt Gene Name	HSPB1
UniProt Synonym Gene Names	HSP27; HSP28; HspB1; HSP 27; SRP27
UniProt Entry Name	HSPB1_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/hsp27-human-elisa-kits/heat-shock-protein-27/84975>