

Rabbit Heat Shock Protein 27 (Hsp27) ELISA Kit | Hsp27 elisa kit

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CATALOG #
AAA150006

REACTIVITY
Rabbit

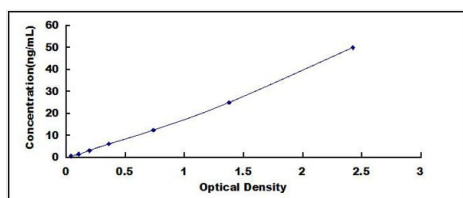
PRODUCT SYNONYMS

Heat Shock Protein 27 (Hsp27); Rabbit Heat Shock Protein 27 (Hsp27) ELISA Kit; HSPB1; HSP-B1; CMT2F; HSP28; Hsp25; Heat Shock 27kDa Protein 1; 28 kDa heat shock protein; Heat shock protein beta-1; Estrogen-regulated 24 kDa protein;; Hsp27 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
Specificity	This assay has high sensitivity and excellent specificity for detection of Heat Shock Protein 27 (Hsp27). No significant cross-reactivity or interference between Heat Shock Protein 27 (Hsp27) and analogues was observed.
Sequence Length	213
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.78-50ng/mL
Sensitivity	0.30ng/mL
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Heat Shock Protein 27 (Hsp27) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Heat Shock Protein 27 (Hsp27) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ Intra-Assay: $CV < 10\%$ Inter-Assay: $CV < 12\%$
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Hsp27 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Heat Shock Protein 27 (Hsp27). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Heat Shock Protein 27 (Hsp27). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Heat Shock Protein 27 (Hsp27), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of Heat Shock Protein 27 (Hsp27) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for Hsp27 elisa kit	Signal Transduction; Tumor Immunity; Developmental Science

NCBI AND UNIPROT INFORMATION

NCBI GI #	665410143
NCBI GenBank Nucleotide #	NP_001287001.1
UniProt Accession #	P02518
NCBI Official Full Name	heat shock protein 27, isoform B
UniProt Protein Name	Heat shock protein 27
UniProt Gene Name	Hsp27

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/rabbit-elisa-kits/heat-shock-protein-27-hsp27/150006>