

Human HSP-27/HSPB1 ELISA Kit | HSP-27/HSPB1 elisa kit

Human HSP-27/HSPB1 (Heat Shock Protein 27) ELISA Kit

CATALOG #
AAA164756

REACTIVITY
Human

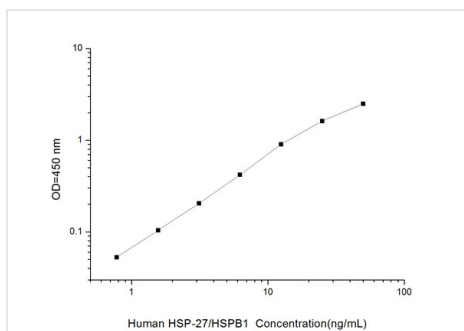
PRODUCT SYNONYMS

HSP-27/HSPB1; Human HSP-27/HSPB1 (Heat Shock Protein 27) ELISA Kit; HSP-27/HSPB1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human HSP-27/HSPB1. No significant cross-reactivity or interference between Human HSP-27/HSPB1 and analogues was observed. Note: Limited by current skills and knowledge, it is impossible for us to complete the cross- reactivity detection between Human HSP-27/HSPB1 and all the analogues, therefore, cross reaction may still exist.
Sequence Length	205
Samples	Serum, Plasma, Biological Fluids
Assay Type	Sandwich
Detection Range	0.781-50ng/mL
Sensitivity	Min: 0.469ng/mL; Max: 50ng/mL
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HSP-27/HSPB1 elisa kit	Description: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of HSP-27/HSPB1 in human serum, plasma and other biological fluids Principle of the Assay: This ELISA kit uses Sandwich-ELISA as the method. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human HSP-27/HSPB1. Standards or samples are added to the appropriate micro ELISA plate wells and bound by the specific antibody. Then a biotinylated detection antibody specific for Human HSP-27/HSPB1 and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human HSP-27/HSPB1, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Human HSP-27/HSPB1. You can calculate the concentration of Human HSP-27/HSPB1 in the samples by comparing the OD of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4504517
NCBI GeneID	3315
NCBI Accession #	NP_001531.1
NCBI GenBank Nucleotide #	NM_001540.3
UniProt Accession #	P04792; Q6FI47; Q96C20; Q96EI7; Q9UC31; Q9UC34; Q9UC35; Q9UC36; B2R4N8
Molecular Weight	22,783 Da
NCBI Official Full Name	heat shock protein beta-1
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; 28 kDa heat shock protein; HSP 27; epididymis secretory protein Li 102; estrogen-regulated 24 kDa protein; heat shock 27 kDa protein; heat shock 27kD protein 1; stress-responsive protein 27
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/human-elisa-kits/hsp-27-hspb1/164756>