

Human Heat Shock Protein Beta 3 (HSPb3) ELISA Kit | HSPb3 elisa kit

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CATALOG #
AAA23046

REACTIVITY
Human

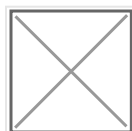
PRODUCT SYNONYMS

Heat Shock Protein Beta 3 (HSPb3); Human Heat Shock Protein Beta 3 (HSPb3) ELISA Kit; HSP-B3; HSPL27; HSP27; HSP 17; Heat Shock 27kDa Protein 3; Heat shock 17 kDa protein; HSPb3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of HSPb3. No significant cross-reactivity or interference between HSPb3 and analogues was observed.
Sequence Length	150
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.78-50ng/mL
Sensitivity	< 0.29ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level HSPb3 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level HSPb3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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 HSPb3 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of HSPb3 in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to HSPb3. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to HSPb3. 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 HSPb3, 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 HSPb3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5453688
NCBI GeneID	8988
NCBI Accession #	NP_006299.1
NCBI GenBank Nucleotide #	NM_006308.2
UniProt Accession #	Q12988
Molecular Weight	16,966 Da
NCBI Official Full Name	heat shock protein beta-3
NCBI Official Synonym Full Names	heat shock protein family B (small) member 3
NCBI Official Symbol	HSPB3
NCBI Official Synonym Symbols	HMN2C; DHMN2C; HSPL27
NCBI Protein Information	heat shock protein beta-3
UniProt Protein Name	Heat shock protein beta-3
UniProt Gene Name	HSPB3
UniProt Synonym Gene Names	HSP27; HSPL27; HspB3; HSP 17

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/heat-shock-protein-beta-3-hspb3/23046>