

Human Heat Shock Protein Beta 7 (HSPb7) ELISA Kit | HSPb7 elisa kit

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CATALOG #
AAA67196

REACTIVITY
Human

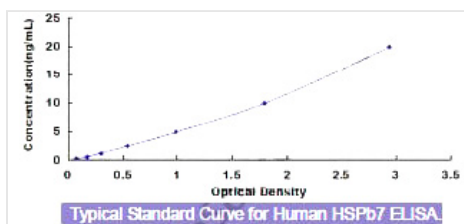
PRODUCT SYNONYMS

Heat Shock Protein Beta 7 (HSPb7); Human Heat Shock Protein Beta 7 (HSPb7) ELISA Kit; HSP-B7; cvHSP; Cardiovascular HSP; Heat Shock 27kDa Protein 7; Cardiovascular heat shock protein; HSPb7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of HSPb7. No significant cross-reactivity or interference between HSPb7 and analogues was observed.
Sequence Length	170
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.124ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level HSPb7 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 HSPb7 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HSPb7 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of HSPb7 in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to HSPb7. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to HSPb7. 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 HSPb7, 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 HSPb7 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 #	7657202
NCBI GeneID	27129
NCBI Accession #	NP_055239.1
NCBI GenBank Nucleotide #	NM_014424.4
UniProt Accession #	Q9UBY9; Q9NU17; B3KQ37; C9K0Y0
Molecular Weight	7,344 Da
NCBI Official Full Name	heat shock protein beta-7
NCBI Official Synonym Full Names	heat shock protein family B (small) member 7
NCBI Official Symbol	HSPB7
NCBI Official Synonym Symbols	cvHSP
NCBI Protein Information	heat shock protein beta-7
UniProt Protein Name	Heat shock protein beta-7
UniProt Gene Name	HSPB7
UniProt Synonym Gene Names	CVHSP; HspB7; cvHsp

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://www.aaabiotech.com/human-elisa-kits/heat-shock-protein-beta-7-hspb7/67196>