

Human heat shock 27kDa protein 2 ELISA Kit | HSPB2 elisa kit

Human Heat shock protein beta-2, HSPB2 ELISA Kit

CATALOG #
AAA112807

REACTIVITY
Human

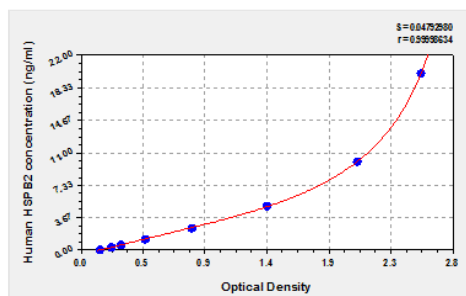
PRODUCT SYNONYMS

heat shock 27kDa protein 2; Human Heat shock protein beta-2; HSPB2 ELISA Kit; Human Heat shock protein beta-2 (HSPB2) ELISA kit; HSP27; Hs.78846; LOH11CR1K; MGC133245; MKBP; heat shock 27kD protein 2; heat-shock protein beta-2; HSPB2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human HSPB2. No significant cross-reactivity or interference between human HSPB2 and analogues was observed.
Sequence Length	182
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	0.312 ng/ml -20 ng/ml.
Sensitivity	The minimum detectable dose of human HSPB2 is typically less than 0.078 ng/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HSPB2 elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for HSPB2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any HSPB2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for HSPB2 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of HSPB2 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4504519
NCBI GeneID	3316
NCBI Accession #	NP_001532.1
NCBI GenBank Nucleotide #	NM_001541.3
UniProt Accession #	Q16082; Q6I9U7
Molecular Weight	20,233 Da
NCBI Official Full Name	heat shock protein beta-2
NCBI Official Synonym Full Names	heat shock 27kDa protein 2
NCBI Official Symbol	HSPB2
NCBI Official Synonym Symbols	MKBP; HSP27; Hs.78846; LOH11CR1K
NCBI Protein Information	heat shock protein beta-2; DMPK-binding protein; heat-shock protein beta-2
UniProt Protein Name	Heat shock protein beta-2
UniProt Gene Name	HSPB2
UniProt Synonym Gene Names	HspB2; MKBP
UniProt Entry Name	HSPB2_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/hspb2-human-elisa-kits/heat-shock-27kda-protein-2/112807>