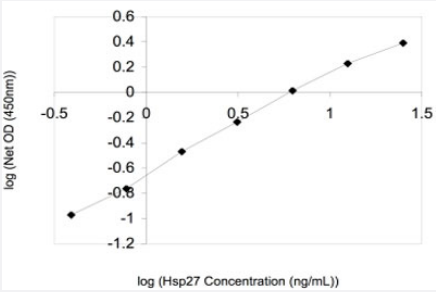
HSPB1 (Human) ELISA Kit

Catalog # KA1018 Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	HSPB1 (Human) ELISA Kit is a colorimetric immunometric enzyme immunoassay kit for the quantitative measurement of human Hsp27 in cell lysates, plasma, serum, and tissue.
Suitable Sample	Cell Lysate, Plasma, Serum, Tissue
Sample Volume	100 uL
Label	HRP-conjugate
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	0.39 to 25 ng/mL
Limit of Detection	0.39 ng/mL
Reactivity	Human
Regulation Status	For research use only (RUO)
Quality Control Testing	Standard curve The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

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Storage Instruction	Store control at -20°C. Store all other components at 4°C.

Applications

- Quantification

Gene Info — HSPB1

Entrez GeneID	3315
Gene Name	HSPB1
Gene Alias	CMT2F, DKFZp586P1322, HMN2B, HS.76067, HSP27, HSP28, Hsp25, SRP27
Gene Description	heat shock 27kDa protein 1
Omim ID	602195 606595 608634
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is induced by environmental stress and developmental changes . The encoded protein is involved in stress resistance and actin organization and translocates fro m the cytoplasm to the nucleus upon stress induction. Defects in this gene are a cause of Charcot -Marie-Tooth disease type 2F (CMT2F) and distal hereditary motor neuropathy (dHMN). [provide d by RefSeq
Other Designations	OTTHUMP00000024846|estrogen-regulated 24 kDa protein|heat shock 27kD protein 1|heat sho ck protein beta-1|stress-responsive protein 27

Pathway

- MAPK signaling pathway
- VEGF signaling pathway

Disease

- Adenocarcinoma
- Carcinoma
- Charcot-Marie-Tooth Disease

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- Diabetic Nephropathies
- Genetic Predisposition to Disease
- Lung Neoplasms
- Small Cell Lung Carcinoma

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