

Human Heat Shock Protein 90 (HSP90) ELISA Kit | HSP90 elisa kit

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CATALOG #
AAA22981

REACTIVITY
Human

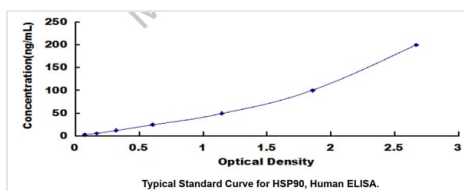
PRODUCT SYNONYMS

Heat Shock Protein 90 (HSP90); Human Heat Shock Protein 90 (HSP90) ELISA Kit; HtpG; Hsp-90 NTD; N-Terminal Domain; HSP90 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of HSP90. No significant cross-reactivity or interference between HSP90 and analogues was observed.
Sequence Length	628
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	3.12-200ng/mL
Sensitivity	< 1.27ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level HSP90 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 HSP90 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 HSP90 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to HSP90. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to HSP90. 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 HSP90, 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 HSP90 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of HSP90 in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
References	Aryl Hydrocarbon Receptor Activation Produces Heat Shock Protein 90 and 70 Overexpression, Prostaglandin E2/Wnt/beta-Catenin Signaling Disruption, and Cell Proliferation in MCF-7 and MDA-MB-231 Cells after 24 h and 14 Days of Chlorpyrifos Treatment; Chem Res Toxicol; 2021 Sep 20;34(9):2019-2023.; PMID: 34424684; Paula Moyano; Department of Pharmacology and Toxicology, Veterinary School, Complutense University of Madrid, 28040 Madrid, Spain.

NCBI AND UNIPROT INFORMATION

NCBI GI #	386870797
Molecular Weight	72,226 Da
NCBI Official Full Name	heat shock protein 90
UniProt Protein Name	Chaperone protein HtpG
UniProt Gene Name	htpG

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-90-hsp90/22981>