

Human Heat Shock Protein 20 HSP 20 ELISA Kit | HSP 20 elisa kit

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CATALOG #
AAA82475

REACTIVITY
Human

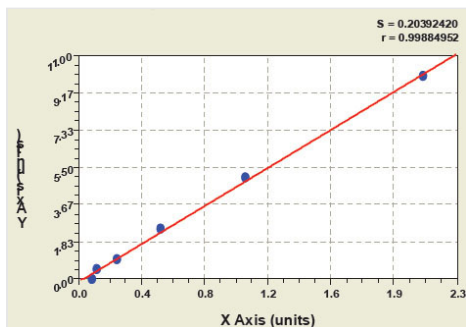
PRODUCT SYNONYMS

Heat Shock Protein 20 HSP 20; Human Heat Shock Protein 20 HSP 20 ELISA Kit; HSP 20 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This HSP20 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human HSP20. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HSP 20 elisa kit

Principle of the Assay: HSP20 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for HSP20. Standards or samples are then added to the microtiter plate wells and HSP20 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of HSP20 present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for HSP20 are added to each well to "sandwich" the HSP20 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain HSP20 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HSP20 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	15899330
NCBI Accession #	NP_343935.1
NCBI GenBank Nucleotide #	NC_002754.1
NCBI Official Full Name	hsp 20 family small heat shock protein

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-20-hsp-20/82475>