Anti-HSP60 IgG/A/M (human), ELISA kit

Most comprehensive portfolio of heat shock protein (chaperone) products commercially available.

This assay allows for reproducible, accurate and precise determination of IgG , IgA and IgM antibodies (total) to human Hsp60 in serum. The ELISA kit uses recombinant human Hsp60 bound to the wells of the plate to bind anti-human Hsp60 antibodies present in human serum. The captured anti-human Hsp60 antibodies are detected with a HRP conjugated goat polyclonal antibody specific for human IgG, IgA and IgM molecules. The assay is developed with tetramethylbenzidine substrate pro ducing a blue color in proportion to the amount of captured anti -human Hsp60 antibodies. The color development is stopped with acid stop solution which converts the endpoint color to yellow. The intensity of the color is measured in a microplate reader at 450 nm.

Hsp60 is a member of the chaperonin family of heat shock proteins, with homologs functioning in the cytosol and mitochondria to fold nascent and aggregated proteins. Hsp60 is the eukaryotic homolog of the *E. coli* GroEL protein, and forms a multimeric complex in the mitochondria with Hsp10 (Cpn10) to form a large central cavity in which ATP-dependent protein folding takes place. TRiC/CCT, a eukaryotic relative of Hsp60, is expressed in the cytosol and participates in the folding of actin and tubulin substrates, but lacks any association with an Hsp10-like co-factor.

Citations: 9 View Online »

Ordering Information

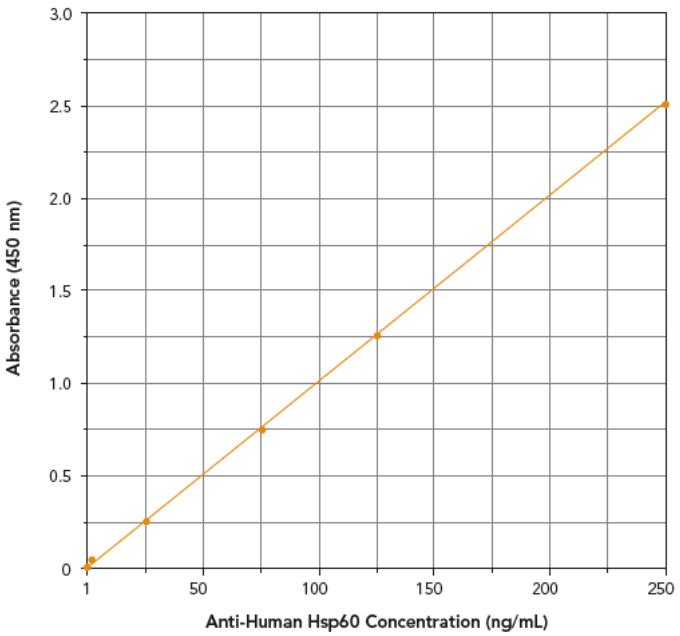
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ADI-EKS-650	96 wells

Manuals, SDS & CofA

View Online »

- Quantitative - fully quantitate levels of auto-antibodies to HSP60
- Higher throughput - obtain results from up to 41 samples in duplicate in less than 4 hours
- Easy-to-use - liquid color-coded reagents and pre-coated plates reduce errors and save time in the lab


3.0
2.5
2.0
1.5
1.0
0.5
0
Absorbance (450 nm)
1
50
100
150
200
250
Anti-Human Hsp60 Concentration (ng/mL)

Handling & Storage

Long Term Storage +4°C

Shipping Blue Ice

Regulatory Status RUO - Research Use Only

Product Details

Application	Colorimetric detection, ELISA
Application Notes	For the quantitative determination of anti-HSP60 IgG/A/M autoantibodies in human serum. Cited sample types include human plasma.
Assay Time	<4 hours
Compatibility	This product is compatible with the **Absorbance 96 Plate Reader**.
Contents	Microtiter plate, Standard, Sample diluent 1, Wash buffer concentrate, HRP Conjugate, TMB Substrate, Stop solution 2
Sensitivity	2.88 ng/ml (range 7.81 – 250 ng/ml)
Species Reactivity	Human
UniProt ID	P10809
Wavelength	450 nm

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