

Human heat shock 10kDa protein 1 (chaperonin 10) ELISA Kit | HSPE1 elisa kit

Human chaperonin 10, CPN10 ELISA Kit

CATALOG #
AAA80250

REACTIVITY
Human

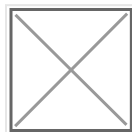
PRODUCT SYNONYMS

heat shock 10kDa protein 1 (chaperonin 10); Human chaperonin 10; CPN10 ELISA Kit; CPN10; GROES; HSP10; chaperonin 10; heat shock 10kD protein 1 (chaperonin 10) ; heat shock 10kDa protein 1; HSPE1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human CPN10. No significant cross-reactivity or interference between human CPN10 and analogues was observed.
Sequence Length	102
Samples	Serum, plasma, tissue homogenates.
Assay Type	Sandwich
Detection Range	0.16 ng/ml -10 ng/ml.
Sensitivity	0.04 ng/ml.
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 HSPE1 elisa kit

Principle of the Assay||This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for CPN10 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CPN10 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CPN10 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 CPN10 bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504523
NCBI GeneID	3336
NCBI Accession #	NP_002148.1
NCBI GenBank Nucleotide #	NM_002157.2
UniProt Accession #	P61604; O95421; Q04984; Q53X54; Q9UDH0
Molecular Weight	10,932 Da
NCBI Official Full Name	10 kDa heat shock protein, mitochondrial
NCBI Official Synonym Full Names	heat shock 10kDa protein 1
NCBI Official Symbol	HSPE1
NCBI Official Synonym Symbols	EPF; CPN10; GROES; HSP10
NCBI Protein Information	10 kDa heat shock protein, mitochondrial; chaperonin 10; 10 kDa chaperonin; early-pregnancy factor; heat shock 10kD protein 1 (chaperonin 10)
UniProt Protein Name	10 kDa heat shock protein, mitochondrial
UniProt Gene Name	HSPE1
UniProt Synonym Gene Names	Hsp10; CPN10; EPF
UniProt Entry Name	CH10_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/hspe1-human-elisa-kits/heat-shock-10kda-protein-1-chaperonin-10/80250>