

Human EPF/HSP10 ELISA Kit | EPF/HSP10 elisa kit

Human EPF/HSP10 ELISA Kit PicoKine

CATALOG # AAA127970	REACTIVITY Human	APPLICATIONS ELISA
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PRODUCT SYNONYMS

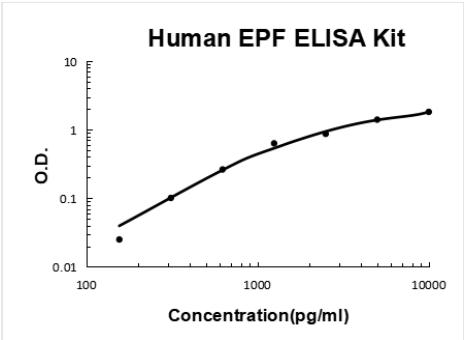
EPF/HSP10; Human EPF/HSP10 ELISA Kit PicoKine; EPF/HSP10 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	cell culture supernatants, serum and plasma (heparin, EDTA)
Assay Range	156pg/ml-10,000pg/ml
Sensitivity	<75pg/ml
Capture antibody and Detection antibody	a polyclonal antibody from goat a biotinylated polyclonal antibody from goat
Immunogen	Expression system for standard: E coli; Immunogen sequence: M1-D102
Anticoagulant	heparin or EDTA
Cross Reactivity	There is no detectable cross-reactivity with other relevant proteins.
Applicable Applications for EPF/HSP10 elisa kit	ELISA
Kit Components	Description/Quantity Pre-coated 96-well strip microplate/1 Standard/2 vials, 10 ng/tube Biotinylated antibody (100x)/100ul Avidin-Biotin-Peroxidase Complex (100x)/100ul Sample Diluent/30ml Antibody Diluent/12ml Avidin-Biotin-Peroxidase Diluent/12ml Color Developing Reagent (TMB)/10ml Stop Solution/10ml Wash Buffer (25x)/20ml Adhesive plate sealers/4
Materials Required But Not Provided	Microplate Reader capable of reading absorbance at 450nm. Incubator. Automated plate washer (optional). Pipettes and pipette tips capable of precisely dispensing 0.5ul through 1ml volumes of aqueous solutions. Multichannel pipettes are recommended for large amount of samples. Deionized or distilled water. 500ml graduated cylinders. Test tubes for dilution.
Sample Data	Concentration(pg/ml)01563126251,2502,5005,00010,000O.D.0.0220.0470.1230.2850.6540.8911.4251.842
Intra Assay Consistency & Inter Assay Consistency	Intra-Assay PrecisionInter-Assay Precision Sample123123n1616162424Mean(pg/ml)10845617551154691896Standard deviation5.9422.34107.065.5225.881.53CV(%)5.5%4.9%6.1%4.8%5.5%4.3%

Reproducibility	LotsLot 1 (pg/ml)Lot 2 (pg/ml)Lot 3 (pg/ml)Lot 4 (pg/ml)Mean (pg/ml)Standard DeviationCV (%)Sample 11081121251011124.013.6%Sample 245649648542246522.774.9%Sample 31755189617441963184093.815.1%*number of samples for each test n=16.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.)

IMAGES



Standard Curve (Sample)
Human EPF PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for EPF/HSP10 elisa kit	The brand Picokine indicates this is a premium quality ELISA kit. Each Picokine kit delivers precise quantification, high sensitivity, and excellent reproducibility. Only our most reliable and effective kits qualify as Picokine, guaranteeing top-tier results for your assays.
Product Categories/Family for EPF/HSP10 elisa kit	PicoKine ELISA Kits

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 (chaperonin 10)
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://www.aaabiotech.com/human-elisa-kits/epf-hsp10/127970>