Rat 10 kDa heat shock protein, mitochondrial ELISA Kit | Hspe1 elisa kit

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CATALOG #	REACTIVITY
AAA100114	**Rat**

PRODUCT SYNONYMS

10 kDa heat shock protein; mitochondrial; Rat 10 kDa heat shock protein; mitochondrial ELISA Kit; Hspe1/Hsp10/10 kDa heat shock protein; mitochondrial/Early-pregnancy factor/EPF/10 kDa chaperonin/Chaperonin 10/CPN10/Chaperonin 10 Homolog/GroES/GROES/heat shock 10kD protein 1; Hspe1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	102
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.938-60ng/ml
Sensitivity	0.563ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Standard Curve (Sample)

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Hspe1 elisa kit	Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat Hspe1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat Hspe1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat Hspe1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat Hspe1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504523
NCBI GeneID	3336
NCBI Accession #	NP_002148.1
NCBI GenBank Nucleotide #	NM_002157.2

Molecular Weight	10,932 Da
NCBI Official Full Name	10 kDa heat shock protein, mitochondrial
NCBI Official Synonym Full Names	heat shock protein family E (Hsp10) member 1
NCBI Official Symbol	HSPE1
NCBI Official Synonym Symbols	EPF; CPN10; GROES; HSP10
NCBI Protein Information	10 kDa heat shock protein, mitochondrial
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-rat-elisa-kits/10-kda-heat-shock-protein-mitochondrial/100114