

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

Mouse 10 kDa heat shock protein, mitochondrial ELISA Kit

|                              |                            |
|------------------------------|----------------------------|
| CATALOG #<br><b>AAA99011</b> | REACTIVITY<br><b>Mouse</b> |
|------------------------------|----------------------------|

### PRODUCT SYNONYMS

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

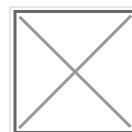
### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                        |
| Sequence Length         | 102                                                                                                                                                          |
| Assay Type              | Sandwich ELISA, Double Antibody                                                                                                                              |
| Samples                 | Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples                                                                         |
| Detection Range         | 7.813-500ng/ml                                                                                                                                               |
| Sensitivity             | 4.688ng/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-Mouse Hspe1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Mouse 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 Mouse Hspe1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Mouse Hspe1 can be calculated. |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### NCBI AND UNIPROT INFORMATION

|                           |                             |
|---------------------------|-----------------------------|
| NCBI GI #                 | <a href="#">4504523</a>     |
| NCBI GeneID               | <a href="#">3336</a>        |
| NCBI Accession #          | <a href="#">NP_002148.1</a> |
| NCBI GenBank Nucleotide # | <a href="#">NM_002157.2</a> |

|                                         |                                              |
|-----------------------------------------|----------------------------------------------|
| <b>Molecular Weight</b>                 | 10,932 Da                                    |
| <b>NCBI Official Full Name</b>          | 10 kDa heat shock protein, mitochondrial     |
| <b>NCBI Official Synonym Full Names</b> | heat shock protein family E (Hsp10) member 1 |
| <b>NCBI Official Symbol</b>             | HSPE1                                        |
| <b>NCBI Official Synonym Symbols</b>    | EPF; CPN10; GROES; HSP10                     |
| <b>NCBI Protein Information</b>         | 10 kDa heat shock protein, mitochondrial     |
| <b>UniProt Protein Name</b>             | 10 kDa heat shock protein, mitochondrial     |
| <b>UniProt Gene Name</b>                | <b>HSPE1</b>                                 |
| <b>UniProt Synonym Gene Names</b>       | Hsp10; CPN10; EPF                            |
| <b>UniProt Entry Name</b>               | 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-mouse-elisa-kits/10-kda-heat-shock-protein-mitochondrial/99011>