

## Rat HSP-27 ELISA Kit | HSP-27 elisa kit

Rat HSP-27 (Heat Shock Protein 27) ELISA Kit

CATALOG #  
**AAA164078**

REACTIVITY  
**Rat**

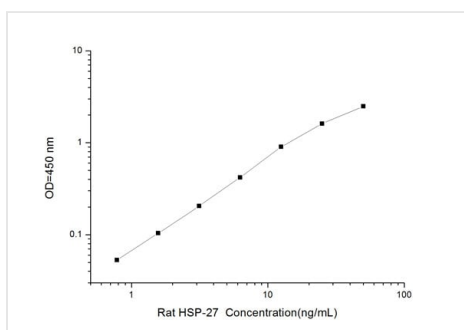
### PRODUCT SYNONYMS

HSP-27; Rat HSP-27 (Heat Shock Protein 27) ELISA Kit; HSP-27 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                                                                                                                                                                                                                                           |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of Rat HSP-27. No significant cross-reactivity or interference between Rat HSP-27 and analogues was observed. Note: Limited by current skills and knowledge, it is impossible for us to complete the cross- reactivity detection between Rat HSP-27 and all the analogues, therefore, cross reaction may still exist. |
| Sequence Length         | 205                                                                                                                                                                                                                                                                                                                                                                                           |
| Samples                 | Serum, Plasma, Biological Fluids                                                                                                                                                                                                                                                                                                                                                              |
| Assay Type              | Sandwich                                                                                                                                                                                                                                                                                                                                                                                      |
| Detection Range         | 0.781-50ng/mL                                                                                                                                                                                                                                                                                                                                                                                 |
| Sensitivity             | Min: 0.469ng/mL; Max: 50ng/mL                                                                                                                                                                                                                                                                                                                                                                 |
| Preparation and Storage | Store at 4 degree C.                                                                                                                                                                                                                                                                                                                                                                          |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for HSP-27 elisa kit | <p><b>Description:</b> The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of HSP-27 in Rat serum, plasma and other biological fluids</p> <p><b>Principle of the Assay:</b> This ELISA kit uses Sandwich-ELISA as the method. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Rat HSP-27. Standards or samples are added to the appropriate micro ELISA plate wells and bound by the specific antibody. Then a biotinylated detection antibody specific for Rat HSP-27 and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Rat HSP-27, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Rat HSP-27. You can calculate the concentration of Rat HSP-27 in the samples by comparing the OD of the samples to the standard curve.</p> |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                          |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4504517                                                                                                                                                                                                                  |
| NCBI GeneID                      | 3315                                                                                                                                                                                                                     |
| NCBI Accession #                 | NP_001531.1                                                                                                                                                                                                              |
| NCBI GenBank Nucleotide #        | NM_001540.3                                                                                                                                                                                                              |
| UniProt Accession #              | P04792; Q6FI47; Q96C20; Q96EI7; Q9UC31; Q9UC34; Q9UC35; Q9UC36; B2R4N8                                                                                                                                                   |
| Molecular Weight                 | 22,783 Da                                                                                                                                                                                                                |
| NCBI Official Full Name          | heat shock protein beta-1                                                                                                                                                                                                |
| NCBI Official Synonym Full Names | heat shock 27kDa protein 1                                                                                                                                                                                               |
| NCBI Official Symbol             | HSPB1                                                                                                                                                                                                                    |
| NCBI Official Synonym Symbols    | CMT2F; HMN2B; HSP27; HSP28; Hsp25; SRP27; HS.76067; HEL-S-102                                                                                                                                                            |
| NCBI Protein Information         | heat shock protein beta-1; 28 kDa heat shock protein; HSP 27; epididymis secretory protein Li 102; estrogen-regulated 24 kDa protein; heat shock 27 kDa protein; heat shock 27kD protein 1; stress-responsive protein 27 |
| UniProt Protein Name             | Heat shock protein beta-1                                                                                                                                                                                                |
| UniProt Gene Name                | HSPB1                                                                                                                                                                                                                    |
| UniProt Synonym Gene Names       | HSP27; HSP28; HspB1; HSP 27; SRP27                                                                                                                                                                                       |
| UniProt Entry Name               | HSPB1_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.