

## Monkey Heat Shock Protein 27 ELISA Kit | HSP27 elisa kit

Monkey Heat Shock Protein 27 ELISA Kit

CATALOG #  
**AAA90148**

REACTIVITY  
**Monkey**

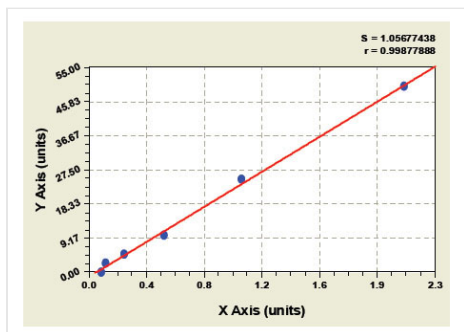
### PRODUCT SYNONYMS

Heat Shock Protein 27; Monkey Heat Shock Protein 27 ELISA Kit; HSP27 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Monkey                                                                                                                                                                                    |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                                |
| Assay Type              | Sandwich                                                                                                                                                                                  |
| Detection Range         | 2.5-50ng/mL                                                                                                                                                                               |
| Sensitivity             | 0.1ng/mL                                                                                                                                                                                  |
| Intended Uses           | This HSP27 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey HSP27. This ELISA kit for research use only, not for therapeutic applications! |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                       |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for HSP27 elisa kit

**Principle of the Assay:** HSP27 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for HSP27. Standards or samples are then added to the microtiter plate wells and HSP27 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of HSP27 present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for HSP27 are added to each well to "sandwich" the HSP27 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain HSP27 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HSP27 concentration in each sample is interpolated from this standard curve.

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                          |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 11036357                                                                                                                                                                                                                 |
| NCBI GeneID                      | 3315                                                                                                                                                                                                                     |
| Molecular Weight                 | 22,783 Da                                                                                                                                                                                                                |
| NCBI Official Full Name          | HSP27                                                                                                                                                                                                                    |
| 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; HSP 27; 28 kDa heat shock protein; heat shock 27 kDa protein; heat shock 27kD protein 1; stress-responsive protein 27; estrogen-regulated 24 kDa protein; epididymis secretory protein Li 102 |
| UniProt Protein Name             | Heat shock protein beta-1                                                                                                                                                                                                |
| UniProt Gene Name                | <b>HSPB1</b>                                                                                                                                                                                                             |
| 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.

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Online datasheet: <https://stage.aaabiotech.com/hsp27-monkey-elisa-kits/heat-shock-protein-27/90148>