

## Bovine Heat Shock Protein 90 ELISA Kit | HSP-90 elisa kit

Bovine Heat Shock Protein 90 ELISA Kit

CATALOG #  
**AAA89436**

REACTIVITY  
**Bovine**

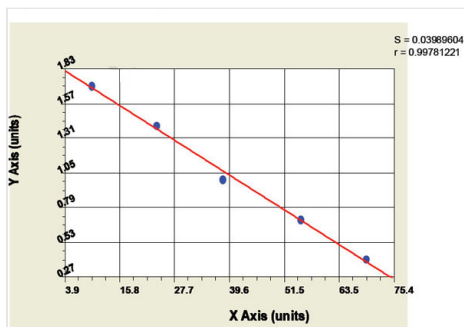
### PRODUCT SYNONYMS

Heat Shock Protein 90; Bovine Heat Shock Protein 90 ELISA Kit; HSP-90 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Bovine                                                                                                                                                                                      |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                                  |
| Assay Type              | Competitive                                                                                                                                                                                 |
| Detection Range         | 1.0-25ng/mL                                                                                                                                                                                 |
| Sensitivity             | 0.1ng/mL                                                                                                                                                                                    |
| Intended Uses           | This HSP-90 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine HSP-90. 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 HSP-90 elisa kit

**Principle of the Assay:** HSP-90 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-HSP-90 antibody and an HSP-90-HRP conjugate. The assay sample and buffer are incubated together with HSP-90-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the HSP-90 concentration since HSP-90 from samples and HSP-90-HRP conjugate compete for the anti-HSP-90 antibody binding site. Since the number of sites is limited, as more sites are occupied by HSP-90 from the sample, fewer sites are left to bind HSP-90-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HSP-90 concentration in each sample is interpolated from this standard curve.

#### Product Categories/Family for HSP-90 elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

|                            |                                                   |
|----------------------------|---------------------------------------------------|
| NCBI GI #                  | 83303658                                          |
| NCBI GeneID                | 3505604                                           |
| Molecular Weight           | 80,640 Da                                         |
| NCBI Official Full Name    | Heat shock protein 90                             |
| NCBI Official Symbol       | AFUA_5G04170                                      |
| NCBI Protein Information   | molecular chaperone and allergen Mod-E/Hsp90/Hsp1 |
| UniProt Protein Name       | Heat shock protein 90                             |
| UniProt Gene Name          | <b>hsp90</b>                                      |
| UniProt Synonym Gene Names | hsp1; AFUA_5G04170                                |
| UniProt Entry Name         | HSP90_ASPFU                                       |

**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/hsp-90-bovine-ovine-elisa-kits/heat-shock-protein-90/89436>