

## Datasheet for ABIN4885543 **HSP70 ELISA Kit**

[Go to Product page](#)

### Overview

|              |                |
|--------------|----------------|
| Quantity:    | 96 tests       |
| Target:      | HSP70          |
| Reactivity:  | Mouse          |
| Method Type: | Sandwich ELISA |
| Application: | ELISA          |

### Product Details

|                    |                                                                                                                                                                                                                                                                              |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:           | Custom Mouse Heat Shock Protein 70 ELISA Kit.                                                                                                                                                                                                                                |
| Sample Type:       | Cell Culture Supernatant, Cell Lysate, Plasma, Serum, Tissue Lysate                                                                                                                                                                                                          |
| Analytical Method: | Quantitative                                                                                                                                                                                                                                                                 |
| Detection Method:  | Colorimetric                                                                                                                                                                                                                                                                 |
| Specificity:       | The antibody pair provided in this kit recognizes Mouse Heat Shock Protein 70.                                                                                                                                                                                               |
| Characteristics:   | <ul style="list-style-type: none"><li>• Strip plates and additional reagents allow for use in multiple experiments</li><li>• Quantitative protein detection</li><li>• Establishes normal range</li><li>• The best products for confirmation of antibody array data</li></ul> |
| Components:        | <ul style="list-style-type: none"><li>• Pre-Coated 96-well Strip Microplate</li><li>• Wash Buffer</li><li>• Stop Solution</li><li>• Assay Diluent(s)</li><li>• Lyophilized Standard</li><li>• Biotinylated Detection Antibody</li></ul>                                      |

## Product Details

- Streptavidin-Conjugated HRP
- TMB One-Step Substrate

Material not included:

- Distilled or deionized water
- Precision pipettes to deliver 2 µL to 1 µL volumes
- Adjustable 1-25 µL pipettes for reagent preparation
- 100 µL and 1 liter graduated cylinders
- Tubes to prepare standard and sample dilutions
- Absorbent paper
- Microplate reader capable of measuring absorbance at 450nm
- Log-log graph paper or computer and software for ELISA data analysis

## Target Details

|                   |                                          |
|-------------------|------------------------------------------|
| Target:           | HSP70                                    |
| Alternative Name: | HSP70 ( <a href="#">HSP70 Products</a> ) |
| Gene ID:          | 15525                                    |
| UniProt:          | <a href="#">Q3U2G2</a>                   |

## Application Details

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sample Volume: | 100 µL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Plate:         | Pre-coated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Protocol:      | <ol style="list-style-type: none"><li>1. Prepare all reagents, samples and standards as instructed in the manual.</li><li>2. Add 100 µL of standard or sample to each well.</li><li>3. Incubate 2.5 h at RT or O/N at 4 °C.</li><li>4. Add 100 µL of prepared biotin antibody to each well.</li><li>5. Incubate 1 h at RT.</li><li>6. Add 100 µL of prepared Streptavidin solution to each well.</li><li>7. Incubate 45 min at RT.</li><li>8. Add 100 µL of TMB One-Step Substrate Reagent to each well.</li><li>9. Incubate 30 min at RT.</li><li>10. Add 50 µL of Stop Solution to each well.</li><li>11. Read at 450 nm immediately.</li></ol> |
| Restrictions:  | For Research Use only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

Handling

---

|                  |                                                                                                                                                                                                                                  |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage:         | -20 °C                                                                                                                                                                                                                           |
| Storage Comment: | The entire kit may be stored at -20°C for up to 1 year from the date of shipment. Avoid repeated freeze-thaw cycles. The kit may be stored at 4°C for up to 6 months. For extended storage, it is recommended to store at -80°C. |
| Expiry Date:     | 6 months                                                                                                                                                                                                                         |