



HSP70 ELISA Kit (High-Sensitivity)

Catalog number: EK7109

For detection of multiple analytes using one single assay.

This package insert must be read in its entirety before using this product.

For research use only. Not for use in diagnostic procedures.

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Catalog Number: EK7109

Size: 96 wells/kit

Sample Type: Plasma, Cell Lysates, Tissue

Sensitivity: 0.038 ng/ml

Assay Range: 0.42 - 27 ng/ml

Storage: Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Introduction

Boster's ELISA Kit is for the detection of Human and cross-reactive sample types of Hsp70 in plasma, serum and cell lysates. (However, Boster's Catalog # EK7106 is recommended for cell lysates and tissue sample cell types.) Each kit contains sufficient components to quantitate the Hsp70 concentration in up to 40 samples, tested in duplicate.

Kit Components

| Description | Quantity |
|--|---------------|
| Anti-Hsp70 Immunoassay Plate | 1 Plate |
| Recombinant Hsp70 Standard | 2 vials |
| Standard and Sample Diluent | 1 vial/ 50 ml |
| 10X Wash Buffer Concentrate | 1 vial/100 ml |
| Anti-Hsp70 Biotinylated Antibody Concentrate | 1 vial/150 µl |
| Anti-Hsp70 Biotinylated Antibody Diluent | 1 vial/ 13 ml |
| Streptavidin: HRP Concentrate | 1 vial/150 µl |
| Streptavidin: HRP Diluent | 1 vial/ 13 ml |
| TMB Substrate | 1 vial/ 13 ml |
| Stop Solution | 1 vial/ 13 ml |

Materials Required, but Not Provided

1. Ultra pure water.
2. Additional reagents and materials for cell lysate and tissue extract preparation, including protease inhibitors.
3. Precision pipettors, with disposable plastic tips.
4. Polypropylene or polyethylene tubes to prepare samples – do not use polystyrene, polycarbonate or glass tubes.
5. A container to prepare 1X Wash Buffer.
6. A wash bottle or an automated 96-well plate washer.

7. Disposable reagent reservoirs.
8. A standard microtiter plate reader for measuring absorbance at 450 nm.
9. Adhesive plate sealers.

Assay Overview

1. Prepare Standard and samples in Standard and Sample Diluent.
2. Add 100 μ L of Standard or sample to appropriate wells.
3. Cover plate with Plate Sealer and incubate at 37°C for 2 hours.
4. Wash plate four times with 1X Wash Buffer.
5. Add 100 μ L of Biotinylated Antibody Working Solution to each well.
6. Cover plate with Plate Sealer and incubate at at 37°C for 2 hours.
7. Wash plate four times with 1X Wash Buffer.
8. Add 100 μ L of Streptavidin-HRP Working Solution to each well.
9. Cover plate with Plate Sealer and incubate at 37°C for 30 minutes.
10. Wash plate four times with 1X Wash Buffer.
11. Add 100 μ L of TMB Substrate to each well..
12. Develop the plate in the dark at room temperature for 30 minutes.
13. Stop reaction by adding 100 μ L of Stop Solution to each well.
14. Measure absorbance on a plate reader at 450 nm.

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