

# ELISA Kit for Heat Shock Protein Beta 2 (HSPb2) Catalog No: tcue146

**Available Sizes** 

**Size:** 96T

Specifications

#### **Research Area:**

Signal transduction; Tumor immunity; Developmental science;

**Species Reactivity:** Rattus norvegicus (Rat)

Sample Type:

Tissue homogenates and other biological fluids.

#### Sensitivity:

The minimum detectable dose of this kit is typically less than 0.055ng/mL

**Detection Range:** 

0.156-10ng/mL

#### Assay Time:

3h

#### **Detection Method:**

Enzyme-linked immunosorbent assay for Antigen Detection.

### **Tested Application:**

ELISA

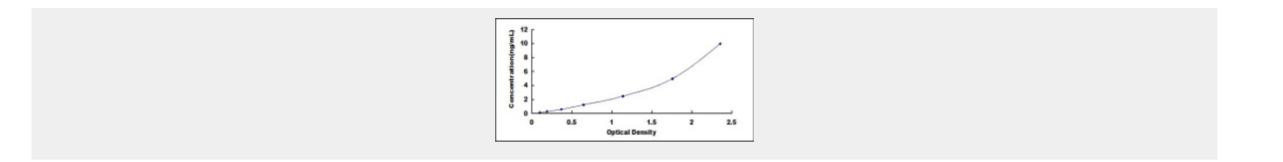
## **Test Principle**

The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Heat Shock Protein Beta 2 (HSPb2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Heat Shock Protein Beta 2 (HSPb2). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Heat Shock Protein Beta 2 (HSPb2), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color.

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The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm  $\pm$  10nm. The concentration of Heat Shock Protein Beta 2 (HSPb2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.



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