

ELISA Kit for Heat Shock Protein 40 (HSP40) Catalog No: tcue147

Available Sizes

Size: 96T

Specifications

Research Area:

Signal transduction; Developmental science;

Species Reactivity: Mus musculus (Mouse)

Sample Type:

serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids

Sensitivity:

The minimum detectable dose of this kit is typically less than 0.242ng/mL

Detection Range:

0.625-40ng/mL

Assay Time:

3h

Detection Method:

Enzyme-linked immunosorbent assay for Antigen Detection.

Tested Application:

ELISA

SwissProt:

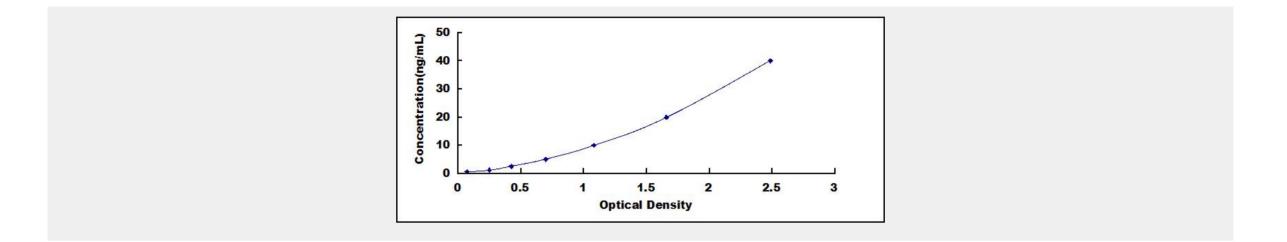
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Test Principle

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 40 (HSP40). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Heat Shock Protein 40 (HSP40). 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 40 (HSP40), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzymesubstrate 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 40 (HSP40) in the samples is then determined by comparing the O.D. of the samples to the standard curve.



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