

ELISA Kit for X-Box Binding Protein 1 (XBP1)

Catalog No: tcue2834



Available Sizes

Size: 96T



Specifications

Research Area:

Immune molecule;

Species Reactivity:

Homo sapiens (Human)

Sample Type:

Tissue homogenates, cell lysates 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

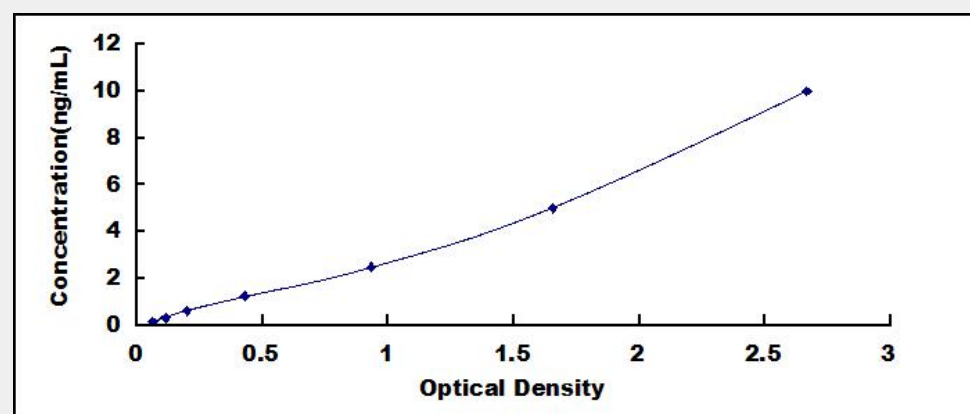
SwissProt:

P17861

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 X-Box Binding Protein 1 (XBP1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to X-Box Binding Protein 1 (XBP1). 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 X-Box Binding Protein 1 (XBP1), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of $450\text{nm} \pm 10\text{nm}$. The concentration of X-Box Binding Protein 1 (XBP1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.



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