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# ELISA Kit for CCAAT / Enhancer Binding Protein Beta (CEBPb)

## Catalog No: tcue800

## Available Sizes

**Size:** 96T

## Specifications

**Research Area:**
Signal transduction;

**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 0.061ng/mL

**Detection Range:**
0.156-10ng/mL

**Assay Time:**
3h

**Detection Method:**
Enzyme-linked immunosorbent assay for Antigen Detection.

**Tested Application:**
ELISA

**SwissProt:**
P17676

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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 CCAAT/Enhancer Binding Protein Beta (CEBPb). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to CCAAT/Enhancer Binding Protein Beta (CEBPb). 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 CCAAT/Enhancer Binding Protein Beta (CEBPb), 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 450nm ± 10nm. The concentration of CCAAT/Enhancer Binding Protein Beta (CEBPb) in the samples is then determined by comparing the O.D. of the samples to the standard curve.