

Mouse CCAAT/enhancer-binding protein beta (CEBPB) ELISA Kit



Catalog No: #EK11650

Orders: order@signalwayantibody.com

Package Size: #EK11650-1 48T #EK11650-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Mouse CCAAT/enhancer-binding protein beta (CEBPB) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	C/EBP-beta; CRP2; IL6DBP; LAP; MGC32080; NF-IL6; TCF5; CCAAT/enhancer binding protein beta interleukin 6-dependent DNA-binding protein liver-enriched transcriptional activator protein nuclear factor
Accession No.	P28033
Uniprot	P28033
GeneID	12608;
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:78.1-5000 pg/mL

Sensitivity:33 pg/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate CEBPB in samples. An antibody specific for CEBPB has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyCEBPB present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CEBPB is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of CEBPB bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**CCAAT/enhancer-binding protein beta is aencoded by this intronless gene is a bZIP transcription factor which can bind as a homodimer to certain DNA regulatory regions. It can also form heterodimers with the related proteins CEBP-alpha, CEBP-delta, and CEBP-gamma.CEBPbis important in the regulation of genes involved in immune and inflammatory responses and has been shown to bind to the IL-1 response element in the IL-6 gene, as well as to regulatory regions of several acute-phase and cytokine genes. In addition, the encoded protein can bind the promoter and upstream element and stimulate the expression of the collagen type I gene.

Note: This product is for in vitro research use only