

Human CCAAT/Enhancer Binding Protein Beta (CEBPb) ELISA Kit | CEBPb elisa kit

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CATALOG #
AAA136860

REACTIVITY
Human

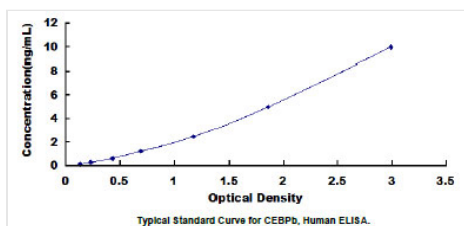
PRODUCT SYNONYMS

CCAAT/Enhancer Binding Protein Beta (CEBPb); Human CCAAT/Enhancer Binding Protein Beta (CEBPb) ELISA Kit; CRP2; IL6DBP; LAP; NF-IL6; TCF5; C/EBP-Beta; Liver-Enriched Transcriptional Activator Protein; Nuclear Factor Of Interleukin 6; Interleukin 6-Dependent DNA-Binding Protein; CEBPb elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CEBPb. No significant cross-reactivity or interference between CEBPb and analogues was observed.
Sequence Length	275
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.059ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CEBPb were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CEBPb were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of 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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CEBPb elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CEBPb in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to CEBPb. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to 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 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 CEBPb in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for CEBPb elisa kit	Signal Transduction
References	Vitamin D Counteracts Lipid Accumulation, Augments Free Fatty Acid-Induced ABCA1 and CPT-1A Expression While Reducing CD36 and C/EBPbeta Protein Levels in Monocyte-Derived Macrophages; Biomedicines; 2022 Mar 26;10(4):775.; PMID: 35453525 ; Mirko Marino; Department of Food, Environmental and Nutritional Sciences (DeFENS), Division of Human Nutrition, Università degli Studi di Milano, 20133 Milan, Italy.

NCBI AND UNIPROT INFORMATION

NCBI GI #	567757569
NCBI GeneID	12608
NCBI Accession #	NP_001274667.1
NCBI GenBank Nucleotide #	NM_001287738.1
UniProt Accession #	P28033
Molecular Weight	15,597 Da
NCBI Official Full Name	CCAAT/enhancer-binding protein beta isoform b
NCBI Official Synonym Full Names	CCAAT/enhancer binding protein (C/EBP), beta
NCBI Official Symbol	Cebpb
NCBI Official Synonym Symbols	LAP; LIP; CRP2; NF-M; Nfil6; NF-IL6; IL-6DBP; C/EBPbeta
NCBI Protein Information	CCAAT/enhancer-binding protein beta
UniProt Protein Name	CCAAT/enhancer-binding protein beta
UniProt Gene Name	Cebpb
UniProt Synonym Gene Names	C/EBP beta; IL-6DBP; LAP
UniProt Entry Name	CEBPB_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.