

Canine CCAAT/enhancer binding protein beta ELISA Kit | C/EBPbeta elisa kit

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CATALOG #
AAA91287

REACTIVITY
Canine

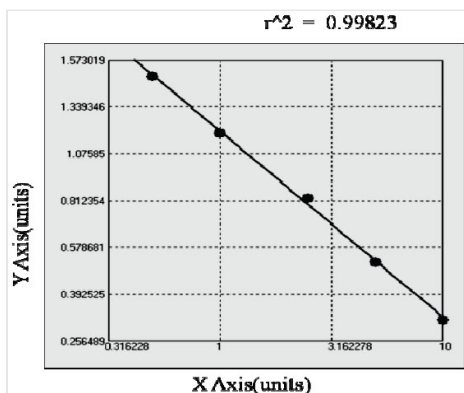
PRODUCT SYNONYMS

CCAAT/enhancer binding protein beta; Canine CCAAT/enhancer binding protein beta ELISA Kit; C/EBPbeta elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This C/EBPbeta ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine C/EBPbeta. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for C/EBPbeta elisa kit

Principle of the Assay: C/EBPbeta ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-C/EBPbeta antibody and an C/EBPbeta-HRP conjugate. The assay sample and buffer are incubated together with C/EBPbeta-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of the color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of color is inversely proportional to the C/EBPbeta concentration since C/EBPbeta from samples and C/EBPbeta-HRP conjugate compete for the anti-C/EBPbeta antibody binding site. Since the number of sites is limited, as more sites are occupied by C/EBPbeta from the sample, fewer sites are left to bind C/EBPbeta-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The C/EBPbeta concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	28872796
NCBI GeneID	1051
NCBI Accession #	NP_005185.2
NCBI GenBank Nucleotide #	NM_005194.3
Molecular Weight	15,938 Da
NCBI Official Full Name	CCAAT/enhancer-binding protein beta isoform a
NCBI Official Synonym Full Names	CCAAT/enhancer binding protein (C/EBP), beta
NCBI Official Symbol	CEBPB
NCBI Official Synonym Symbols	TCF5; IL6DBP; NF-IL6; C/EBP-beta
NCBI Protein Information	CCAAT/enhancer-binding protein beta; nuclear factor NF-IL6; transcription factor 5; nuclear factor of interleukin 6; interleukin 6-dependent DNA-binding protein
UniProt Protein Name	CCAAT/enhancer-binding protein beta
UniProt Gene Name	CEBPB
UniProt Synonym Gene Names	TCF5; PP9092; C/EBP beta; LAP; LIP; TCF-5
UniProt Entry Name	CEBPB_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/c-ebpbeta-canine-elisa-kits/ccaat-enhancer-binding-protein-beta/91287>