

Mouse CCAAT/Enhancer binding protein alpha ELISA Kit | C/EBPalph elisa kit

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CATALOG #
AAA82220

REACTIVITY
Mouse

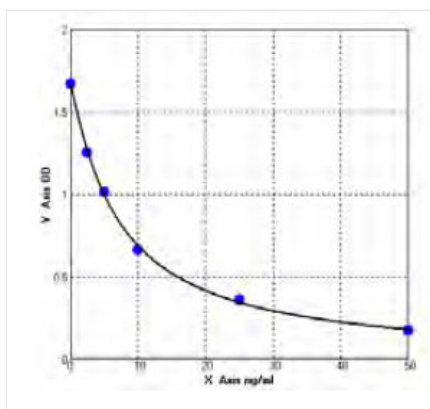
PRODUCT SYNONYMS

CCAAT/Enhancer binding protein alpha; Mouse CCAAT/Enhancer binding protein alpha ELISA Kit; Mouse CCAAT/Enhancer binding protein a ELISA Kit; C/EBPalph elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of CEBPA. No significant cross-reactivity or interference between CEBPA and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CEBPA and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for C/EBPalpha elisa kit	Intended Uses: This CEBPA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse CEBPA. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: CEBPA ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CEBPA antibody and an CEBPA-HRP conjugate. The assay sample and buffer are incubated together with CEBPA-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 color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CEBPA concentration since CEBPA from samples and CEBPA-HRP conjugate compete for the anti-CEBPA antibody binding site. Since the number of sites is limited, as more sites are occupied by CEBPA from the sample, fewer sites are left to bind CEBPA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CEBPA concentration in each sample is interpolated from this standard curve.
Product Categories/Family for C/EBPalpha elisa kit	Epigenetics and Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	28872794
NCBI GeneID	1050
NCBI Accession #	NP_004355.2
NCBI GenBank Nucleotide #	NM_004364.4
Molecular Weight	37,561 Da
NCBI Official Full Name	CCAAT/enhancer-binding protein alpha isoform a
NCBI Official Synonym Full Names	CCAAT/enhancer binding protein (C/EBP), alpha
NCBI Official Symbol	CEBPA
NCBI Official Synonym Symbols	CEBP; C/EBP-alpha
NCBI Protein Information	CCAAT/enhancer-binding protein alpha
UniProt Protein Name	CCAAT/enhancer-binding protein alpha
UniProt Gene Name	CEBPA
UniProt Synonym Gene Names	C/EBP alpha
UniProt Entry Name	CEBPA_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-ebpalphamouseelisakits/ccaat-enhancer-binding-protein-alpha/82220>