CEBPE Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	CEBPE, Monoclonal Antibody
Full Product Name	CEBPE (CCAAT/Enhancer-binding Protein epsilon, C/EBP epsilon) (MaxLight 750)
Product Gene Name	anti-CEBPE antibody
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	7A4
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human CEBPE.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	30,603 Da
Immunogen	Full length recombinant corresponding to aa1-281 from human CEBPE (AAH35797.2) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MSHGTYYECEPRGGQQPLEFSGGRAGPGELGDMCEHEASIDLSAYIESGEEQLLSDLFAVKPAPEARGLKGPGTPAFPHYLPPDPRPFAYPPHTFGPDF AGPLHKGKKAVNKDSLEYRLRRERNNIAVRKSRDKAKRRILETQQKVLEYMAENERLRSRVEQLTQELDTLRNLFRQIPEAANLIKGVGGCS
Conjugate	MaxLight750
Product Categories/Family for anti-CEBPE antibody	Antibodies; Transcription Factors
Applications Tested/Suitable for anti-CEBPE antibody	FLISA, Western Blot (WB)
Application Notes for anti-CEBPE antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-CEBPE antibody	CCAAT-enhancer binding protein epsilon (CEBP e) is a 32kD basic-leucine zipper transcription factor that is expressed in myeloblasts, granulocytes, a isoforms contain the bZIP domain (aa208-267) but exert different effects on myeloid differentiation. Full length CEBP e and the 30kD isoform (aa33-281 and the 14kD isoform (which begins at aa153) function as transcriptional repressors in eosinophils. Within aa151-210, human CEBP e shares 93aa seq
Other Notes	Small volumes of anti-CEBPE antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces with dry ice and additional dry ice fee may apply.

Searchable Terms for CEBPE purchase	MBS6232099 is an antibody targeting CEBPE. Also known as CEBPE (CCAAT/Enhancer-binding Protein epsilon, C/EBP epsilon) (MaxLight 750). Rea

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CEBPE. It may not necessarily be applicable to this product.

NCBI GI #	23272762
NCBI GeneID	1053
NCBI Accession #	BC035797
NCBI Related Accession #	AAH35797.2
UniProt Secondary Accession #	Q15745; Q8IYI2; Q99803
UniProt Related Accession #	Q15744
NCBI Official Full Name	Homo sapiens CCAAT/enhancer binding protein (C/EBP), epsilon, mRNA
NCBI Official Synonym Full Names	CCAAT/enhancer binding protein epsilon
NCBI Official Symbol	CEBPE
NCBI Official Synonym Symbols	CRP1; C/EBP-epsilon
Protein Family	CCAAT/enhancer-binding protein
NCBI Protein Information	CCAAT/enhancer-binding protein epsilon
NCBI Summary for CEBPE	The protein encoded by this 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 protein CEBP-delta. The encoded protein may be essential for terminal differentiation and functional maturation of committed granulocyte progenitor cells. Mutations in this gene have been associated with Specific Granule Deficiency, a rare congenital disorder. Multiple variants of this gene have been described, but the full-length nature of only one has been determined. [provided by RefSeq, Jul 2008]
Research Articles on CEBPE	**1.** variants within IKZF1, ARID5B, and CEBPE were associated with increased acute lymphoblastic leukemia (ALL) risk, and the effects for ARID5B and CEBPE were most prominent in high-hyperdiploid ALL subtype in the California Hispanic population
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