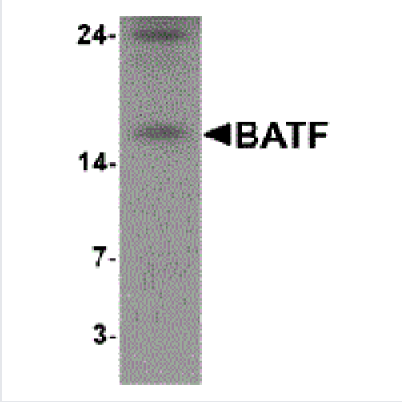
BATF Blocking Peptide

PRODUCT OVERVIEW

Product Name	BATF, Blocking Peptide
Full Product Name	BATF Peptide
Product Gene Name	BATF blocking peptide
Product Synonym Names	SFA2; B-ATF; BATF1; SFA-2; Basic leucine zipper transcriptional factor ATF-like; B-cell-activating transcription factor; basic leucine zipper transcription factor, ATF-like
Form/Format	Liquid
Concentration	200 ug/mL (lot specific)
Preparation and Storage	Store BATF peptide at -20 degree C, stable for one year.
Antibody/Peptide Pairs	BATF peptide (MBS153932) is used for blocking the activity of BATF antibody (MBS153435)
Molecular Weight	14,120 Da
OMIM	612476
Species	Human
Buffer	PBS pH 7.2 (10 mM NaH2PO4, 10 mM Na2HPO4, 130 mM NaCl) containing 0.1% bovine serum albumin and 0.02% sodium azide
Location	16 amino acids near the amino terminus of human BATF.
Applications Tested/Suitable for BATF blocking peptide	Blocking (BL)
Application Notes for BATF blocking peptide	BATF peptide is used for blocking the activity of BATF antibody.
Related Product Information for BATF blocking peptide	MBS153932 is a blocking peptide targeting BATF. Also known as BATF Peptide.
Other Notes	Small volumes of BATF blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of BATF blocking peptide
Western blot analysis of BATF in rat spleen tissue lysate with BATF antibody at 0.5 ?g/mL in (A) the absence and (B) the presence of blocking peptide.

ADDITIONAL DETAILS

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

NCBI GI #	5453563
NCBI GeneID	10538
NCBI Accession #	NP_006390
UniProt Primary Accession #	Q16520
UniProt Related Accession #	Q16520
GenBank Nucleotide #	NM_006399.3
NCBI Official Full Name	basic leucine zipper transcriptional factor ATF-like
NCBI Official Synonym Full Names	basic leucine zipper transcription factor, ATF-like
NCBI Official Symbol	BATF
NCBI Official Synonym Symbols	SFA2; B-ATF; BATF1; SFA-2
UniProt Protein Name	Basic leucine zipper transcriptional factor ATF-like
UniProt Synonym Protein Names	B-cell-activating transcription factor; B-ATF; SF-HT-activated gene 2 protein; SFA-2
Protein Family	Basic leucine zipper transcriptional factor
UniProt Gene Name	BATF
UniProt Synonym Gene Names	B-ATF; SFA-2
UniProt Entry Name	BATF_HUMAN
NCBI Protein Information	basic leucine zipper transcriptional factor ATF-like; SF-HT-activated gene 2 protein; activating transcription factor B; B-cell-activating transcription factor
NCBI Summary for BATF	The protein encoded by this gene is a nuclear basic leucine zipper protein that belongs to the AP-1/ATF superfamily of transcription factors. The leucine zipper of this protein mediates dimerization with members of the Jun family of proteins. This protein is thought to be a negative regulator of AP-1/ATF transcriptional events. [provided by RefSeq, Jul 2008]
UniProt Comments for BATF	BATF: a nuclear basic leucine zipper protein that belongs to the AP-1/ATF superfamily of transcription factors. Functions as a negative regulator of AP-1 mediated transcription by binding to Jun proteins. Jun/B-ATF heterodimers bind DNA preferentially at the 12-O-tetradecanoylphorbol-13- acetate response element (TRE) and weaker at the cAMP responsive region (CRE), but are transcriptionally inert. Protein type: Transcription factor; DNA-binding Chromosomal Location of Human Ortholog: 14q24.3 Cellular Component: cytoplasm; nucleus Molecular Function: protein binding; sequence-specific DNA binding; transcription factor activity Biological Process: regulation of transcription from RNA polymerase II promoter; DNA damage response, signal transduction by p53 class mediator; transcription, DNA-dependent; isotype switching; cytokine production; myeloid dendritic cell differentiation; lymphoid progenitor cell differentiation; T-helper 2 cell differentiation; defense response to protozoan; response to DNA damage stimulus
Research Articles on BATF	**1.** increase expression in children with recurrent asthma
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