AFF3 Peptide - Middle Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	AFF3, Blocking Peptide
Full Product Name	AFF3 Peptide - middle region
Product Gene Name	AFF3 blocking peptide
Product Synonym Gene Name	LAF4; MLLT2-like
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	AFF3 peptide (MBS3226942) is used for blocking the activity of AFF3 antibody (MBS3201946)
Molecular Weight	133kDa
OMIM	601464
Product Categories/Family for AFF3 blocking peptide	Peptide
Applications Tested/Suitable for AFF3 blocking peptide	Western Blot (WB)
Related Product Information for AFF3 blocking peptide	This is a synthetic peptide designed for use in combination with anti-AFF3 antibody made Target Description: AFF3 is a tissue-restricted nuclear transcriptional activator that is preferentially expressed in lymphoid tissue. Isolation of this protein initially defined a highly conserved LAF4/MLLT2 gene family of nuclear transcription factors that may function in lymphoid development and oncogenesis. In some ALL patients, this gene has been found fused to the gene for MLL.This gene encodes a tissue-restricted nuclear transcriptional activator that is preferentially expressed in lymphoid tissue. Isolation of this protein initially defined a highly conserved LAF4/MLLT2 gene family of nuclear transcription factors that may function in lymphoid development and oncogenesis. In some ALL patients, this gene has been found fused to the gene for MLL. Multiple alternatively spliced transcript variants that encode different proteins have been found for this gene.
Other Notes	Small volumes of AFF3 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.
Searchable Terms for AFF3 purchase	MBS3226942 is a blocking peptide targeting AFF3. Also known as AFF3 Peptide - middle region.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AFF3. It may not necessarily be applicable to this product.

NCBI GI #	68348714
NCBI GeneID	3899
NCBI Accession #	NP_002276
UniProt Primary Accession #	P51826
UniProt Related Accession #	P51826
GenBank Nucleotide #	NM_002285
NCBI Official Full Name	AF4/FMR2 family member 3 isoform 1

NCBI Official Synonym Full Names	AF4/FMR2 family member 3
NCBI Official Symbol	AFF3
NCBI Official Synonym Symbols	LAF4; MLLT2-like
UniProt Protein Name	AF4/FMR2 family member 3
UniProt Synonym Protein Names	Lymphoid nuclear protein related to AF4; Protein LAF-4
Protein Family	AF4/FMR2 family
UniProt Gene Name	AFF3
UniProt Synonym Gene Names	LAF4; Protein LAF-4
NCBI Protein Information	AF4/FMR2 family member 3
NCBI Summary for AFF3	This gene encodes a tissue-restricted nuclear transcriptional activator that is preferentially expressed in lymphoid tissue. Isolation of this protein initially defined a highly conserved LAF4/MLLT2 gene family of nuclear transcription factors that may function in lymphoid development and oncogenesis. In some ALL patients, this gene has been found fused to the gene for MLL. Multiple alternatively spliced transcript variants that encode different proteins have been found for this gene. [provided by RefSeq, Jul 2008]
UniProt Comments for AFF3	Putative transcription activator that may function in lymphoid development and oncogenesis. Binds, in vitro, to double-stranded DNA.
Research Articles on AFF3	**1.** AFF3 was overexpressed in tamoxifen-resistant tumors. AFF3 overexpression in breast cancer cells resulted in tamoxifen resistance, whereas RNA interference-mediated gene knockdown reversed this phenotype.
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