IKZF3 Antibody (Center) Blocking Peptide

PRODUCT OVERVIEW

Product Name	IKZF3, Blocking Peptide
Full Product Name	IKZF3 Antibody (Center) Blocking peptide
Product Gene Name	IKZF3 blocking peptide
Product Synonym Gene Name	ZNFN1A3
Product Synonym Names	Zinc finger protein Aiolos; Ikaros family zinc finger protein 3; IKZF3; ZNFN1A3
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 1 mg/ml.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	IKZF3 peptide (MBS9225725) is used for blocking the activity of IKZF3 antibody (MBS9204264)
Molecular Weight	29,973 Da
OMIM	606221
Cellular Location	Nucleus. Cytoplasm.
Tissue Location	Expressed most strongly in peripheral blood leukocytes, the spleen, and the thymus
Related Product Information for IKZF3 blocking peptide	Transcription factor that plays an important role in the regulation of lymphocyte differentiation. Plays an essential role in regulation of B-cell differentiation, proliferation and maturation to an effector state. Involved in regulating BCL2 expression and controlling apoptosis in T-cells in an IL2- dependent manner.
Other Notes	Small volumes of IKZF3 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 IKZF3 purchase	MBS9225725 is a blocking peptide targeting IKZF3. Also known as IKZF3 Antibody (Center) Blocking peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IKZF3. It may not necessarily be applicable to this product.

NCBI GI #	33589816
NCBI GeneID	22806
NCBI Accession #	NP_036613.2
UniProt Primary Accession #	Q9UKT9
UniProt Secondary Accession #	Q69BL6; Q69BL7; Q69BL8; Q69BL9; Q69BM0; Q69BM1; Q69BM2; Q69BM3; Q69BM5; Q8N574; B4DVV5
UniProt Related Accession #	Q9UKT9
GenBank Nucleotide #	NM_012481.4
NCBI Official Full Name	zinc finger protein Aiolos isoform 1
NCBI Official Synonym Full Names	IKAROS family zinc finger 3
NCBI Official Symbol	IKZF3
NCBI Official Synonym Symbols	AIO; AIOLOS; ZNFN1A3

UniProt Protein Name	Zinc finger protein Aiolos
UniProt Synonym Protein Names	Ikaros family zinc finger protein 3
Protein Family	Zinc finger protein
UniProt Gene Name	IKZF3
UniProt Synonym Gene Names	ZNFN1A3
UniProt Entry Name	IKZF3_HUMAN
NCBI Protein Information	zinc finger protein Aiolos
NCBI Summary for IKZF3	This gene encodes a member of the Ikaros family of zinc-finger proteins. Three members of this protein family (Ikaros, Aiolos and Helios) are hematopoietic-specific transcription factors involved in the regulation of lymphocyte development. This gene product is a transcription factor that is important in the regulation of B lymphocyte proliferation and differentiation. Both Ikaros and Aiolos can participate in chromatin remodeling. Regulation of gene expression in B lymphocytes by Aiolos is complex as it appears to require the sequential formation of Ikaros homodimers, Ikaros/Aiolos heterodimers, and Aiolos homodimers. Several alternative transcripts encoding different isoforms have been described, as well as some non-protein coding variants. [provided by RefSeq, Apr 2012]
UniProt Comments for IKZF3	Transcription factor that plays an important role in the regulation of lymphocyte differentiation. Plays an essential role in regulation of B-cell differentiation, proliferation and maturation to an effector state. Involved in regulating BCL2 expression and controlling apoptosis in T-cells in an IL2-dependent manner.
Research Articles on IKZF3	**1.** Aiolos improved the survival of Nalm6 cells via PTEN and Aktdependent processes.
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