



Human IKZF1 blocking peptide (CDBP1563)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-IKAROS/IKZF1 antibody
Antigen Description	This gene encodes a transcription factor that belongs to the family of zinc-finger DNA-binding proteins associated with chromatin remodeling. The expression of this protein is restricted to the fetal and adult hemo-lymphopoietic system, and it functions as a regulator of lymphocyte differentiation. Several alternatively spliced transcript variants encoding different isoforms have been described for this gene. Most isoforms share a common C-terminal domain, which contains two zinc finger motifs that are required for hetero- or homo-dimerization, and for interactions with other proteins. The isoforms, however, differ in the number of N-terminal zinc finger motifs that bind DNA and in nuclear localization signal presence, resulting in members with and without DNA-binding properties. Only a few isoforms contain the requisite three or more N-terminal zinc motifs that confer high affinity binding to a specific core DNA sequence element in the promoters of target genes. The non-DNA-binding isoforms are largely found in the cytoplasm, and are thought to function as dominant-negative factors. Overexpression of some dominant-negative isoforms have been associated with B-cell malignancies, such as acute lymphoblastic leukemia (ALL). [provided by RefSeq, May 2014]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	IKZF1 IKAROS family zinc finger 1 (Ikaros) [Homo sapiens]
Official Symbol	IKZF1
Synonyms	IKZF1; IKAROS family zinc finger 1 (Ikaros); zinc finger protein, subfamily 1A, 1 (Ikaros) , ZNFN1A1; DNA-binding protein Ikaros; hlk 1; Hs.54452; IKAROS; LyF 1; CLL-associated antigen KW-6; Ikaros (zinc finger protein); ikaros family zinc finger protein 1; lymphoid transcription factor LyF-1; zinc finger protein, subfamily 1A, 1 (Ikaros); IK1; LYF1; hlk-1; PRO0758; ZNFN1A1;
Entrez Gene ID	10320
mRNA Refseq	NM_001220765
Protein Refseq	NP_001207694
UniProt ID	Q13422
Chromosome Location	7pter-7qter
Pathway	Calcineurin-regulated NFAT-dependent transcription in lymphocytes, organism-specific biosystem;
Function	DNA binding; metal ion binding; nucleic acid binding; protein heterodimerization activity; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; zinc ion binding;