



Human BLNK blocking peptide (CDBP0606)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-BLNK/SLP-65 antibody
Antigen Description	This gene encodes a cytoplasmic linker or adaptor protein that plays a critical role in B cell development. This protein bridges B cell receptor-associated kinase activation with downstream signaling pathways, thereby affecting various biological functions. The phosphorylation of five tyrosine residues is necessary for this protein to nucleate distinct signaling effectors following B cell receptor activation. Mutations in this gene cause hypoglobulinemia and absent B cells, a disease in which the pro- to pre-B-cell transition is developmentally blocked. Deficiency in this protein has also been shown in some cases of pre-B acute lymphoblastic leukemia. Alternatively spliced transcript variants have been found for this gene.
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	BLNK B-cell linker [Homo sapiens]
Official Symbol	BLNK

Synonyms	BLNK; B-cell linker; B-cell linker protein; B cell adaptor containing SH2 domain; B cell activation; B cell adapter containing a SH2 domain protein; BASH; bca; BLNK s; Ly57; SLP 65; SLP65; Src homology [SH2] domain containing leukocyte protein of 65 kD; B-cell activation; B cell linker protein; cytoplasmic adapter protein; B-cell adapter containing a SH2 domain protein; B-cell adapter containing a Src homology 2 domain protein; Src homology 2 domain-containing leukocyte protein of 65 kDa; Src homology [SH2] domain-containing leukocyte protein of 65 kD; AGM4; LY57; BLNK-S; SLP-65; MGC111051;
Entrez Gene ID	29760
mRNA Refseq	NM_001114094
Protein Refseq	NP_001107566
UniProt ID	Q8WV28
Chromosome Location	10q23.2-q23.33
Pathway	Adaptive Immune System, organism-specific biosystem; Antigen Activates B Cell Receptor Leading to Generation of Second Messengers, organism-specific biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem; B cell receptor signaling pathway, organism-specific biosystem; B cell receptor signaling pathway, conserved biosystem; BCR signaling pathway, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem;
Function	SH3/SH2 adaptor activity; SH3/SH2 adaptor activity; protein binding; transmembrane receptor protein tyrosine kinase adaptor activity;