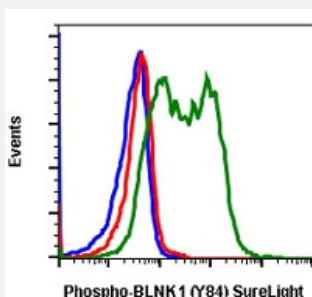


BLNK (phospho Y84) monoclonal antibody, clone H4 (SureLight 488)

Catalog # MAB21629 Size 100 Reactions

Applications



Flow Cytometry

Flow cytometric analysis of Ramos cells with BLNK (phospho Y84) monoclonal antibody, clone H4 (SureLight 488) (Cat # MAB21629). Unstained and untreated cells as negative control (blue) or untreated and stained (red) or treated with INFα+IL-4 +pervanadate and stained (green).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic phosphopeptide of human BLNK.
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Y84 of human BLNK.
Host	Rabbit
Reactivity	Human
Form	Liquid
Conjugation	SureLight 488
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (5 μ L/ 10^6 cells) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.2% BSA, 0.09% sodium azide).

Storage Instruction

Store at 4°C.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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Gene Info — BLNK

Entrez GeneID
[29760](#)
Protein Accession#
[Q8WV28](#)
Gene Name

BLNK

Gene Alias

BASH, BLNK-S, LY57, MGC111051, SLP-65, SLP65

Gene Description

B-cell linker

Omim ID
[604515](#)
Gene Ontology
[Hyperlink](#)
Gene Summary

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 encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

B cell linker protein|B-cell adapter containing a SH2 domain protein|B-cell adapter containing a Src homology 2 domain protein|OTTHUMP00000020167|Src homology 2 domain-containing leukocyte protein of 65 kDa

Pathway

- [B cell receptor signaling pathway](#)

- [Primary immunodeficiency](#)

Disease

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)
- [Tobacco Use Disorder](#)