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**Product Name: BLNK Mouse Monoclonal Antibody****Catalog #: AMM81007**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB,IHC,ICC,ELISA,FC
<b>Reactivity</b>	Human,Mouse,Rat,Monkey
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,IHC 1:200-1:1000,ICC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
<b>Molecular Weight</b>	68kDa

**Antigen Information**

<b>Gene Name</b>	BLNK
<b>Alternative Names</b>	AGM4; BASH; LY57; SLP65; BLNK-S; SLP-65; MGC111051
<b>Gene ID</b>	29760.0
<b>SwissProt ID</b>	Q8WV28
<b>Immunogen</b>	Purified recombinant fragment of human BLNK expressed in E. Coli.

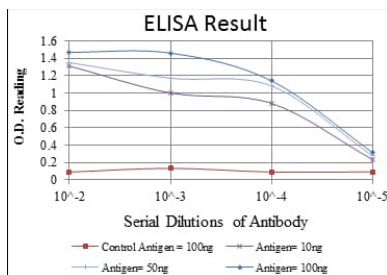
**Background**

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

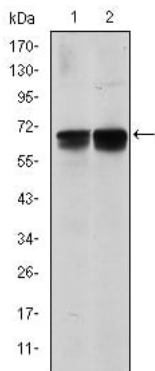
receptor activation. Mutations in this gene cause hypoglobulinemia and absent B cells, a disease in which the pro- to pre-B-cell transition is developmentally blocked. Deficiency in this protein has also been shown in some cases of pre-B acute lymphoblastic leukemia. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

## Research Area

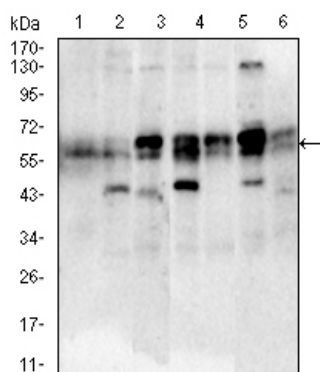
## Image Data



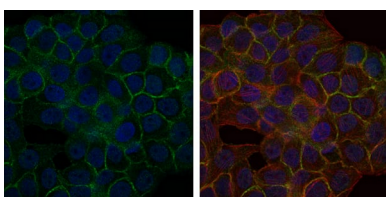
Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);



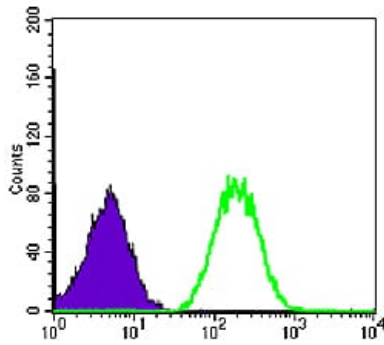
Western blot analysis using BLNK mouse mAb against NIH/3T3 (1) and BCBL-1 (2) cell lysate.



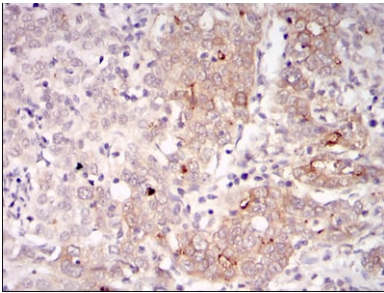
Western blot analysis using BLNK mouse mAb against CHO3D10(1),COS7(2),L1210(3),C6(4),NIH/3T3(5),PC-12(6),Mouse liver(7) cell lysate.



Immunofluorescence analysis of HepG2 cells using BLNK mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow cytometric analysis of NIH/3T3 cells using BLNK mouse mAb (green) and negative control (purple).



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissues using BLNK mouse mAb with DAB staining.