

For Research Use Only

# BLNK Recombinant monoclonal antibody

Catalog Number: 87170-3-RR



## Basic Information

<b>Catalog Number:</b> 87170-3-RR	<b>GenBank Accession Number:</b> NM_013314.4	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 29760	<b>CloneNo.:</b> 252383A9
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8WV28-1	<b>Recommended Dilutions:</b> WB: 1:1000-1:8000
<b>Isotype:</b> IgG	<b>Full Name:</b> B-cell linker	
<b>Immunogen Catalog Number:</b> EG6610	<b>Calculated MW:</b> 50 kDa	
	<b>Observed MW:</b> 68-70 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : Raji cells, Sp2/O cells, Ramos cells
<b>Species Specificity:</b> human	

## Background Information

BLNK is 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.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

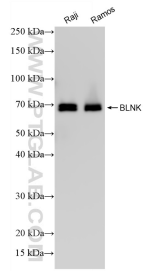
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

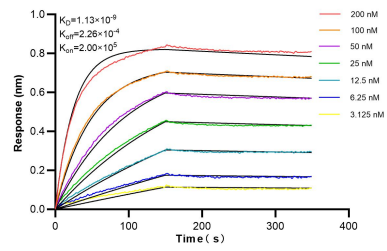
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87170-3-RR (BLNK antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 87170-3-RR against Human LY86 were performed. The affinity constant is 1.13 nM.