

## Product datasheet for **TA808522AM**

### **BLNK Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI2B2]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI2B2
<b>Applications:</b>	WB
<b>Recommended Dilution:</b>	WB 1:2000
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Human recombinant protein fragment corresponding to amino acids 1-292 of human BLNK(NP_037446) produced in E.coli.
<b>Formulation:</b>	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
<b>Concentration:</b>	0.5 mg/ml
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Conjugation:</b>	Biotin
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	50.3 kDa
<b>Gene Name:</b>	B-cell linker
<b>Database Link:</b>	<a href="#">NP_037446</a> <a href="#">Entrez Gene 17060 Mouse</a> <a href="#">Entrez Gene 499356 Rat</a> <a href="#">Entrez Gene 29760 Human</a> <a href="#">Q8WV28</a>



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**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 have been found for this gene. [provided by RefSeq, May 2012]

**Synonyms:**

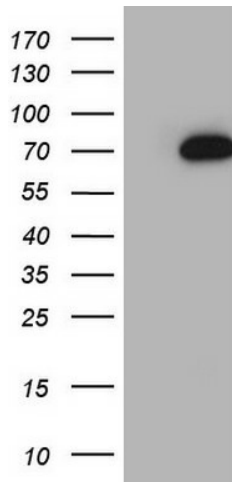
AGM4; BASH; bca; BLNK-S; LY57; SLP-65; SLP65

**Protein Families:**

Druggable Genome

**Protein Pathways:**

B cell receptor signaling pathway, Primary immunodeficiency

**Product images:**

HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY BLNK ([RC202488], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-BLNK (1:2000). Positive lysates [LY402244] (100ug) and [LC402244] (20ug) can be purchased separately from OriGene.