

## DATASHEET

# BTK Mouse Monoclonal Antibody(C3875)

CAT. NO. AMA03487

### KEY FEATURES

Target	BTK	Source / Host	Mouse
Reactivity	Human	Clonality	Monoclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Mouse IgG1. Supplied in crude ascites with 0.01% sodium azide.	Storage	at-20°C

### BACKGROUND

Non-receptor tyrosine kinase indispensable for B lymphocyte development, differentiation and signaling . Binding of antigen to the B-cell antigen receptor (BCR) triggers signaling that ultimately leads to B-cell activation . After BCR engagement and activation at the plasma membrane, phosphorylates PLCG2 at several sites, igniting the downstream signaling pathway through calcium mobilization, followed by activation of the protein kinase C (PKC) family members . PLCG2 phosphorylation is performed in close cooperation with the adapter protein B-cell linker protein BLNK . BTK acts as a platform to bring together a diverse array of signaling proteins and is implicated in cytokine receptor signaling pathways .

### APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:1000 - 1:2000
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\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

### PRODUCT OVERVIEW

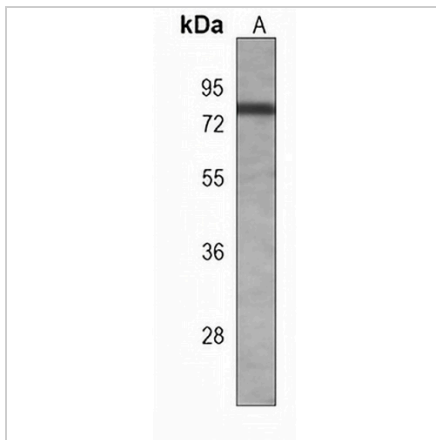
Description	Mouse monoclonal antibody to BTK
Specificity	Recognizes endogenous levels of BTK protein.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human BTK. The exact sequence is proprietary.
Molecular Weight	Predicted: 76 kD; Observed: 76 kD
Form/Buffer	Mouse IgG1. Supplied in crude ascites with 0.01% sodium azide.
Alternative Names	AGMX1; ATK; BPK; Tyrosine-protein kinase BTK; Agammaglobulinemia tyrosine kinase; ATK; B-cell progenitor kinase; BPK; Bruton tyrosine kinase
Gene Symbol	BTK
Entrez Gene	695(Human)
SwissProt	Q06187(Human)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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**DATA**

Western blot analysis of BTK expression in Ramos (A) whole cell lysates. (Predicted band size: 76 kD; Observed band size: 76 kD)

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.