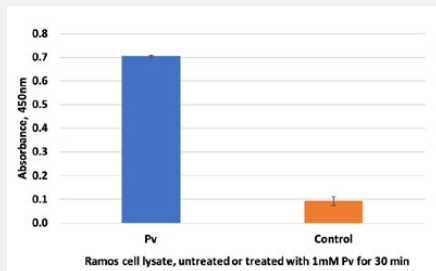


BTK (phospho Y551) monoclonal antibody, clone G12 (Biotin)

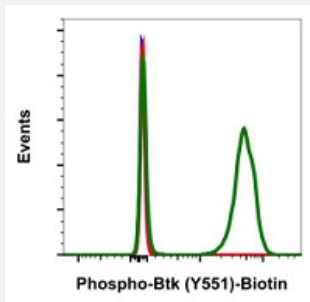
Catalog # MAB21668 Size 100 Reactions

Applications



Enzyme-linked Immunoabsorbent Assay

Direct ELISA using Ramos cellular lysate coated directly to the plate surface after lysis following no treatment or treatment with 1 mM pervanadate for 30 min. ELISA wells were tested in duplicate using 0.12 mg/mL total protein coated lysate and 1 ug/mL BTK (phospho Y551) monoclonal antibody, clone G12 (Biotin) (Cat # MAB21668).



Flow Cytometry

Flow cytometric analysis of Ramos cells with BTK (phospho Y551) monoclonal antibody, clone G12 (Biotin) (Cat # MAB21668). Secondary antibody only negative control (blue) or untreated (red) or treated with pervanadate (green).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic phosphopeptide of human BTK.
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Y551 of human BTK.
Host	Rabbit
Reactivity	Human
Form	Liquid
Conjugation	Biotin
Purification	Protein A/G purification

Isotype	IgG1, kappa
Recommend Usage	ELISA Flow Cytometry 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 — BTK

Entrez GeneID	695
Protein Accession#	Q06187
Gene Name	BTK
Gene Alias	AGMX1, AT, ATK, BPK, IMD1, MGC126261, MGC126262, PSCTK1, XLA
Gene Description	Bruton agammaglobulinemia tyrosine kinase
Omim ID	300300 307200
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene plays a crucial role in B-cell development. Mutations in this gene cause X-linked agammaglobulinemia type 1, which is an immunodeficiency characterized by the failure to produce mature B lymphocytes, and associated with a failure of Ig heavy chain rearrangement. [provided by RefSeq]

Other Designations

B-cell progenitor kinase|Bruton tyrosine kinase|OTTHUMP00000023676|OTTHUMP00000063593|agammaglobulinemia tyrosine kinase|dominant-negative kinase-deficient Brutons tyrosine kinase|tyrosine-protein kinase BTK

Pathway

- [B cell receptor signaling pathway](#)
- [Fc epsilon RI signaling pathway](#)
- [Primary immunodeficiency](#)

Disease

- [Agammaglobulinemia](#)
- [Asthma](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Diseases](#)
- [HIV Infections](#)
- [Immunologic Deficiency Syndromes](#)
- [Lymphoproliferative Disorders](#)
- [Myelodysplastic Syndromes](#)
- [Severe Combined Immunodeficiency](#)