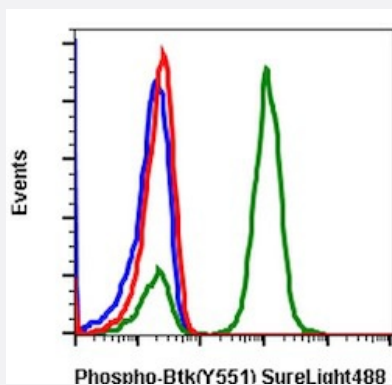


BTK (phospho Y551) monoclonal antibody, clone G12 (SureLight 488)

Catalog # MAB23497 Size 100 Reactions

Applications



Flow Cytometry

Flow cytometric analysis of Ramos cells with BTK (phospho Y551) monoclonal antibody, clone G12 (SureLight 488) (Cat # MAB23497). Unstained and untreated as negative control (blue) or stained untreated (red) or treated with pervanadate (green).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic phosphopeptide of human BLNK.
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Y551 of human BTK.
Host	Rabbit
Reactivity	Human
Form	Liquid
Conjugation	SureLight 488
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (5 uL/10 ⁶ cells) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS, pH 7.4 (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.

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Gene Info — BTK

Entrez GeneID	695
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](#)