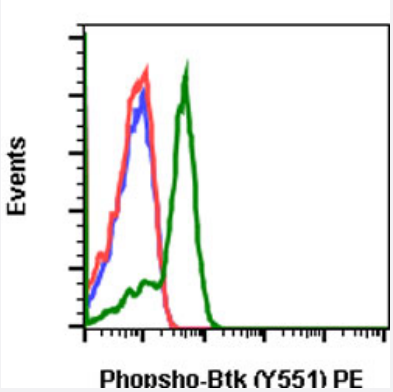
BTK (phospho Y551) monoclonal antibody, clone G12 (PE)

Catalog # MAB18833 Size 100 Reactions

Applications



Flow Cytometry

Flow cytometric analysis of Ramos cells with BTK (phospho Y551) monoclonal antibody, clone G12 (PE) (Cat # MAB18833). Unstained untreated cells 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 BTK.
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Y551 of human BTK.
Host	Rabbit
Reactivity	Human
Form	Liquid
Conjugation	PE
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 (0.2% BSA, 0.09% sodium azide).

Storage Instruction	Store at 4°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d 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 gen e cause X-linked agammaglobulinemia type 1, which is an immunodeficiency characterized by th e failure to produce mature B lymphocytes, and associated with a failure of Ig heavy chain rearran gement. [provided by RefSeq
Other Designations	B-cell progenitor kinase|Bruton tyrosine kinase|OTTHUMP00000023676|OTTHUMP0000006359 3|agammaglobulinemia tyrosine kinase|dominant-negative kinase-deficient Brutons tyrosine kina se|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