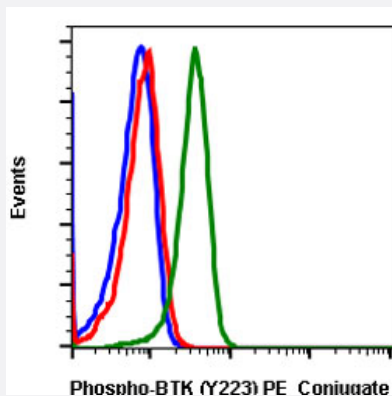


BTK (phospho Y223) monoclonal antibody, clone B4 (PE)

Catalog # MAB18825 Size 100 Reactions

Applications



Flow Cytometry

Flow cytometric analysis of U937 cells with BTK (phospho Y223) monoclonal antibody, clone B4 (PE) (Cat # MAB18825). Unstained cells negative control (blue) or untreated (red) or treated with IFN α IL4 and pervanadate (green).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic phosphopeptide of human BTK.
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Y223 of human BTK.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Conjugation	PE
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (5 μ L/ 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 should be handled by trained staff only.

Applications

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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](#)