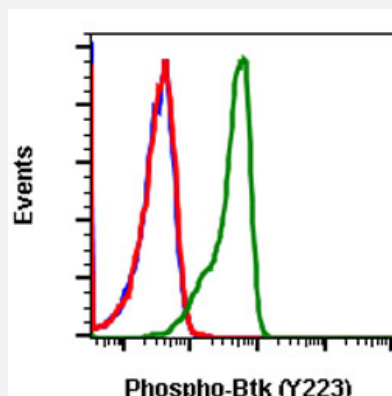


BTK (phospho Y223) monoclonal antibody, clone B4

Catalog # MAB18819 Size 200 uL

Applications



Flow Cytometry

Flow cytometric analysis of U937 cells with BTK (phospho Y223) monoclonal antibody, clone B4 (Cat # MAB18819) using 5 ng/mL. Secondary antibody only negative control (blue) or untreated (red) or treated with IFNα IL4 and PV (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
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (0.001-1 ug/mL) (It is recommended that the reagent be titrated for optimal performance for each application.) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (50% glycerol, 0.1% BSA and 0.02% sodium azide).
Storage Instruction	Store at -20°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](#)