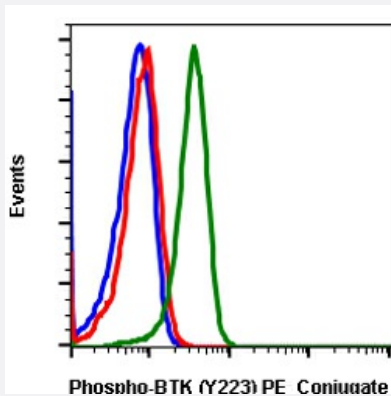


RecomAb™

BTK recombinant monoclonal antibody, clone BtkY223-B4 (PE)

Catalog # RAB02890 Size 100 Reactions

Applications



Flow Cytometry

Flow cytometric analysis of U937 cells unstained cells negative control (blue) or untreated (red) or treated with IFNα IL4 and pervanadate (green) using Phospho-Btk (Tyr223) B4 PE-conjugated antibody BtkY223-B4.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human BTK.
Antibody Species	Rabbit
Immunogen	A synthetic phospho-peptide corresponding to residues surrounding Tyr223 of human phospho Btk
Reactivity	Human
Form	Liquid
Purification	Protein A+G
Isotype	Rabbit IgG1k
Conjugation Note	PE
Recommend Usage	Flow Cytometry The optimal working dilution should be determined by the end user.
Storage Buffer	1X PBS, 0.09% Sodium azide, 0.2% BSA

Storage Instruction

Store at 4°C. Do not freeze.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Flow Cytometry

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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](#)