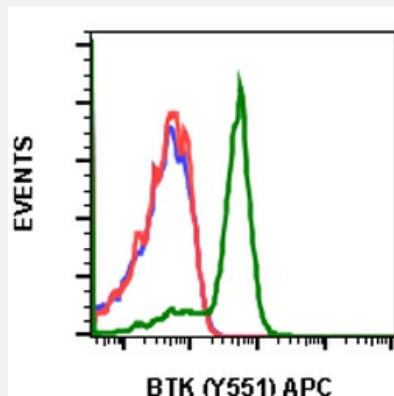


RecomAb™

BTK recombinant monoclonal antibody, clone BtkY551-G12 (APC)

Catalog # RAB03042 Size 100 Reactions

Applications



Flow Cytometry

Flow cytometric analysis of Ramos cells unstained untreated as negative control (blue) or stained untreated (red) or treated with pervanadate (green) using Phospho-Btk (Tyr551) antibody BtkY551-G12 APC conjugate.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human BTK.
Antibody Species	Rabbit
Immunogen	A synthetic phospho-peptide corresponding to residues surrounding Tyr551 of human phospho Btk
Reactivity	Human
Form	Liquid
Conjugation	APC
Purification	Protein A purification, Protein G purification
Isotype	IgG
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](#)