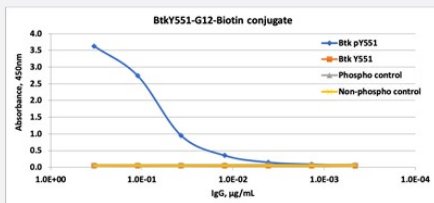


RecomAb™

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

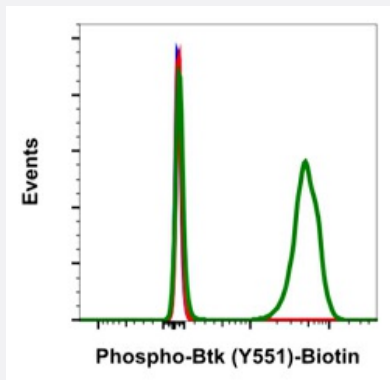
Catalog # RAB03043 Size 100 Reactions

Applications



Enzyme-linked Immunoabsorbent Assay

Peptide ELISA using BtkY551-G12-Biotin conjugate titrated starting from 0.3 µg/mL shows binding to only Btk pY551 phospho peptide and no cross-reactivity to Btk Y551 non-phospho peptide or to control peptides.



Flow Cytometry

Flow cytometric analysis of Ramos cells secondary antibody only negative control (blue) or untreated (red) or treated with pervanadate (green) using Phospho-Btk (Tyr551) antibody BtkY551-G12-Biotin conjugate at 0.1 µg/mL.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human BTK.
Antibody Species	Rabbit
Immunogen	A synthetic phospho-peptide corresponding to residues surrounding human Btk (Y551)
Reactivity	Human
Form	Liquid

Conjugation	Biotin
Purification	Protein A purification, Protein G purification
Isotype	IgG
Recommend Usage	ELISA 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

- Enzyme-linked Immunoabsorbent Assay

Peptide ELISA using BtkY551-G12-Biotin conjugate titrated starting from 0.3 ug/mL shows binding to only Btk pY551 phosphopeptide and no cross-reactivity to Btk Y551 non-phosphopeptide or to control peptides.

- Flow Cytometry

Flow cytometric analysis of Ramos cells secondary antibody only negative control (blue) or untreated (red) or treated with pervanadate (green) using Phospho-Btk (Tyr551) antibody BtkY551-G12-Biotin conjugate at 0.1 ug/mL.

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](#)