

Product Datasheet

Phospho-Btk (Tyr551) (G12) rabbit mAb FITC conjugate Antibody (orb1946084)

Catalog Number	orb1946084
Category	Antibodies
Description	<p>Btk is a major node in the B-cell receptor signaling pathway, where it regulates B cell maturation, activation, survival, differentiation, and proliferation. Btk is activated by Src family kinases, including Lyn, which phosphorylates Btk at Tyr551. Upon phosphorylation at this site, Btk is recruited to the plasma membrane where autophosphorylation at Tyr223 occurs. The Btk signaling pathway is a major target of small molecule inhibitors for B-cell lymphoma, autoimmune diseases, and non-Hodgkin,Ãs lymphomas. These inhibitors either form a covalent bond at Cys481 in the ATP-binding site or serve as reversible inhibitors that bind the SH3 pocket and stabilize inactive Btk.</p>
Clonality	Monoclonal
Species/Host	Rabbit
Isotype	Rabbit IgG1k
Conjugation	FITC
Reactivity	Human
Form/Appearance	Liquid
Buffer/Preservatives	1X PBS, 0.09% NaN3, 0.2% rAlbumin
Purification	Protein A+G
Immunogen	A synthetic phospho-peptide corresponding to residues surrounding Tyr551 of human phospho Btk

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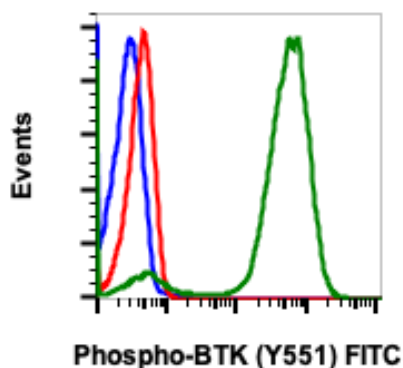
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UniProt ID	Q06187
Tested applications	FC
Dilution range	For flow cytometric staining, the suggested use of this reagent is 5 μ L per million cells or 5 μ L per 100 μ L of staining volume. It is recommended that the reagent be titrated for optimal performance for each application. See product image legends for additional information.
Cross Reactivity	Predicted to work with mouse, rat and other homologues.
Clone Number	BtkY551-G12
Storage	2-8°C
Note	For research use only
Expiration Date	12 months from date of receipt.



Flow cytometric analysis of Ramos cells unstained and untreated as negative control (blue) or untreated (red) or treated with pervanadate (green) and stained using Phospho-Btk (Tyr551) antibody BtkY551-G12 FITC conjugate. Cat. #orb1946084.

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