

Product Datasheet

Phospho-Btk (Tyr551) (G12) rabbit mAb SureLight488 conjugate Antibody (orb1946082)

Catalog Number	orb1946082
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	SureLight 488
Reactivity	Human
Form/Appearance	Liquid
Buffer/Preservatives	1X PBS, 0.09% NaN3
Purification	Protein A+G
Immunogen	A synthetic phosphor-peptide corresponding to residues surrounding Tyr551 of human phospho Btk

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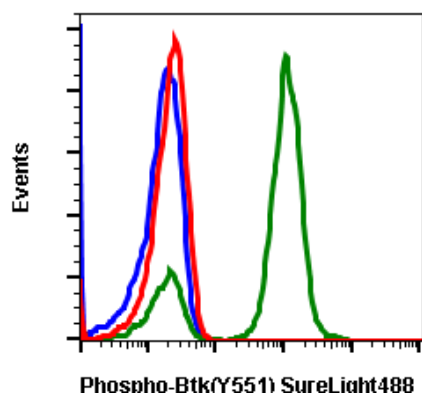
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UniProt ID **Q06187****Tested applications** FC**Dilution range** For flow cytometric staining, the suggested use of this reagent is 5 μ L per million cells or 5 μ L per 100 μ L of staining volume. It is recommended that the reagent be titrated for optimal performance for each application.**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 stained untreated (red) or treated with pervanadate (green) using Phospho-Btk (Tyr551) antibody BtkY551-G12 SureLight488 conjugate. Cat. #orb1946082.

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