

APC anti-human BLNK Phospho (Tyr96) Antibody

Catalog# / Size	382205 / 25 tests 382206 / 100 tests
Clone	A19008A
Regulatory Status	RUO
Other Names	B Cell Linker, SLP-65, BLNK-S, BASH
Isotype	Mouse IgG1, κ
Description	B cell linker protein (BLNK), a member of the SLP-76 family, is an adapter molecule that plays important roles in B cell antigen receptor (BCR) engagement and B cell activation. Cross-linking of the BCR stimulates various downstream signaling pathways involved in cell proliferation and apoptosis. Intracellular protein tyrosine kinases such as Syk and Lyn have been implicated in BCR signal transduction and are thought to play an important role in B cell development. Phosphorylation of human BLNK at tyrosines 84, 178, and 189 (Y84, Y178, and Y189) creates docking sites for effector proteins GRB2, Vav, Nck and PLC γ 2, which in turn leads to the activation of downstream signaling pathways. Phosphorylation of tyrosine 96 (Tyr96) facilitates BTK binding and plays a critical role in B cell maturation.

Product Details

Verified Reactivity	Human
Antibody Type	Monoclonal
Host Species	Mouse
Immunogen	Synthetic peptide of human BLNK (phosphorylated at Tyr 96)
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
Preparation	The antibody was purified by affinity chromatography and conjugated with APC under optimal conditions.
Concentration	Lot-specific (to obtain lot-specific concentration and expiration, please enter the lot number in our Certificate of Analysis online tool).
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	ICFC - Quality tested
Recommended Usage	Each lot of this antibody is quality control tested by intracellular immunofluorescent staining with flow cytometric analysis . For flow cytometric staining, the suggested use of this reagent is 5 μ L per million cells in 100 μ L staining volume or 5 μ L per 100 μ L of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.
Excitation Laser	Red Laser (633 nm)
RRID	AB_3720551 (BioLegend Cat. No. 382205) AB_3720551 (BioLegend Cat. No. 382206)

Antigen Details

Structure	Human BLNK is 456 amino acids (aa) in length and it contains a Prorich region (aa 98260) and one SH2 domain (aa 346453).
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Distribution	Cytosol, plasma-membrane associated, B cells
Function	Links B cell receptor engagement with downstream signaling events
Interaction	PLCG1, PLCG2, VAV1, NCK1, VAV3, GRB2, FYN, LYN, SYK
Molecular Family	Phospho-Proteins
Antigen References	1. Fu C, <i>et al.</i> 1998. <i>Immunity</i> 9:93-103. 2. Ishiai M, <i>et al.</i> 1999. <i>Immunity</i> 10:117-25. 3. Baba Y, <i>et al.</i> 2001. <i>Proc. Natl. Acad. Sci. USA</i> 98:2582-6. 4. Tsuji S, <i>et al.</i> 2001. <i>J. Exp. Med.</i> 194:529-39. 5. Chiu CW, <i>et al.</i> 2002. <i>EMBO. J.</i> 21:6461-72. 6. Taguchi T, <i>et al.</i> 2004. <i>Immunology.</i> 122:575-82.

Gene ID [29760](#)

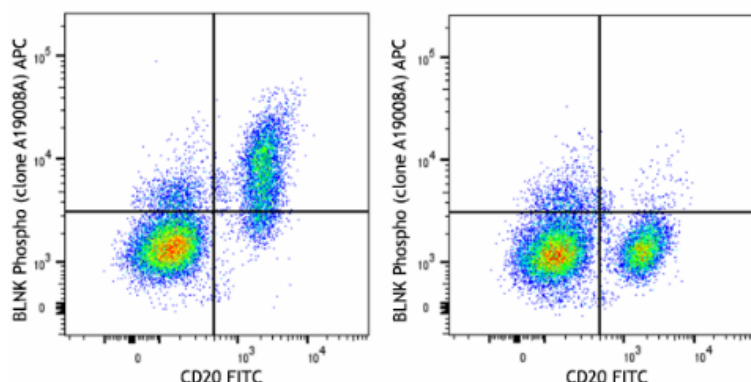
Related Protocols

- [Intracellular Flow Cytometry Staining Protocol](#)

Other Formats

PE anti-human BLNK Phospho (Tyr96), APC anti-human BLNK Phospho (Tyr96) Antibody

Product Data



Human peripheral blood lymphocytes were treated with (left) or without (right) 12 µg/mL of anti-human IgG, IgM antibody (Cat. No 397302) for 5 minutes. Cells were then fixed with Fixation Buffer (Cat. No. 420801), permeabilized with True-Phos™ Perm Buffer (Cat. No. 425401) and stained intracellularly with anti-human CD20 (clone 1412) FITC and anti-human BLNK Phospho (Tyr96) (clone A19008A) APC.

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