

Phospho-BLNK (Tyr84) (H4) rabbit mAb PE conjugate

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Catalog: #2292

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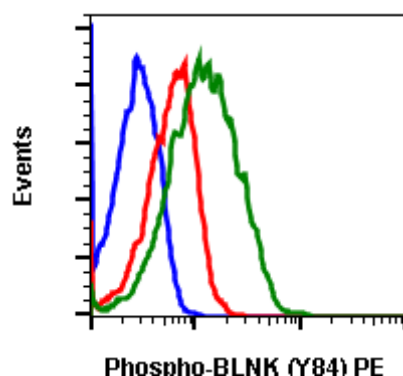
Applications
Flow Cytometry

Detection
N/A

Clonality
Monoclonal

Isotype
Rabbit IgGk

Format:	PE
Cross Reactivity:	Predicted to work with mouse, rat and other homologues.
Formulation:	1X PBS, 0.09% NaN ₃ , 0.2% BSA
Preparation:	Protein A+G
Reactivity:	Human
Recommended Usage:	For flow cytometric staining, the suggested use of this reagent is 5 µL per million cells or 5 µL per 100 µL of staining volume. It is recommended that the reagent be titrated for optimal performance for each application.
Immunogen:	A synthetic phospho-peptide corresponding to residues surrounding Tyr84 of human phospho BLNK
Description:	BLNK protein, known as SLP-65 play an important role as adaptor protein in B-lineage cells. BLNK associates with proteins in the cytoplasmic side of plasma membrane through its N-terminal leucine zipper motif. Upon BLNK activation on its tyrosine, BLNK binds to Btk, Vav, Brb2, Syk, and HPK1. Through this associations, BLNK mediates Ca ²⁺ mobilization, for ERK1/2, JNK and p38 MAP kinase activation. After phosphorylation, BLNK binds Btk and PLCγ2 through their SH2 domains and mediates PLCγ2 activation by Btk. BLNK also binds other signaling molecules such as Vav, Grb2, Syk, and HPK1. BLNK plays an important role in BCR-dependent progression of B cell development, BCR-mediated B cell survival, activation, proliferation, and T-independent immune responses.
References:	Fu, C., et al. (1998) Immunity 9: 93-103. Goitsuka, R., et al. (1998) J. Immunol. 161: 5804-5808. Tsuji, S., et al. (2001) J. Exp. Med. 194: 529-539.



Flow cytometric analysis of Daudi cells unstained untreated cells as negative control (blue) or stained untreated (red) or treated with IFN α + IL-4 + pervanadate (green) using Phospho-BLNK (Tyr84) antibody BLNKY84-H4 PE conjugate. Cat. #2292.