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

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For Research Use Only. Not For Use In Diagnostic Procedures.

Applications	Detection	Clonality	Isotype
Flow Cytometry	N/A	Monoclonal	Rabbit IgGk

Format: FITC

Cross Reactivity: Predicted to work with mouse, rat and other homologues.

Formulation: 1X PBS, 0.09% NaN3, 0.2% BSA

Preparation: Protein A+G

Reactivity: Human

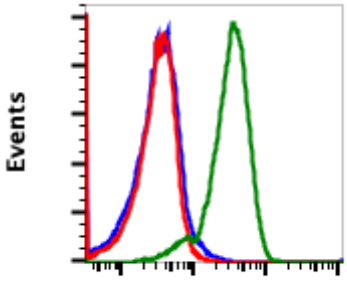
Recommended Usage: For flow cytometric staining, the suggested use of this reagent is 5 µL per million cells or 5 µL per 100 µL of staining volume. It is recommended that the reagent be titrated for optimal performance for each application. See product image legends for additional information.

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 Ca2+ 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 aa 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.



Phospho-BLNK (Y84) FITC

Flow cytometric analysis of Ramos cells, unstained and untreated cells as negative control (blue) or untreated (red) or treated with INFa+IL-4 + pervanadate (green) and stained using Phospho-BLNK (Tyr84) antibody BLNKY84-H4 FITCconjugate. Cat #2293.