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## 12-4238: Phospho-BLNK (Tyr84) (Clone: H4) rabbit mAb APC conjugate

Clonality: Monoclonal BLNKY84-H4 Clone Name:

Application: **FACS** Reactivity: Human Conjugate: APC

Format: Conjugated

B-cell linker protein, Src homology 2 domain-containing leukocyte protein of 65 kDa, SLP65, B-cell **Alternative Name:** 

adapter containing a SH2 domain protein, BASH

Isotype: Rabbit IgG1k

A synthetic phospho-peptide corresponding to residues surrounding Tyr84 of human phospho Immunogen Information:

**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 PLCg2 through their SH2 domains and mediates PLCg2 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.

## **Product Info**

Amount: 10 Tests / 100 Tests

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

Store at 2-8°C. Avoid repeated freeze and thaw cycles. Storage condition:

## **Application Note**

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.

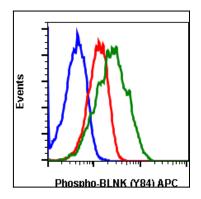


Fig-1: Flow cytometric analysis of Daudi cells unstained untreated cells as negative control (blue) or stained untreated (red) or treated with IFNa + IL-4 + pervanadate (green) using Phospho-BLNK (Tyr84) antibody BLNKY84-H4 APC conjugate.