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12-4236: Phospho-BLNK (Tyr84) (Clone: H4) rabbit mAb PE conjugate

Clonality :	Monoclonal
Clone Name :	BLNKY84-H4
Application :	FACS
Reactivity :	Human
Conjugate :	PE
Format :	Conjugated
Alternative Name :	B-cell linker protein, Src homology 2 domain-containing leukocyte protein of 65 kDa, SLP65, B-cell adapter containing a SH2 domain protein, BASH
Isotype :	Rabbit IgG1k
Immunogen Information :	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 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
Storage condition :	Store at 2-8°C. Avoid repeated freeze and thaw cycles.

Application Note

For flow cytometric staining, the suggested use of this reagent is 5 ÃÂµL per million cells or 5 ÃÂµL per 100 ÃÂµL of staining volume. It is recommended that the reagent be titrated for optimal performance for each application.

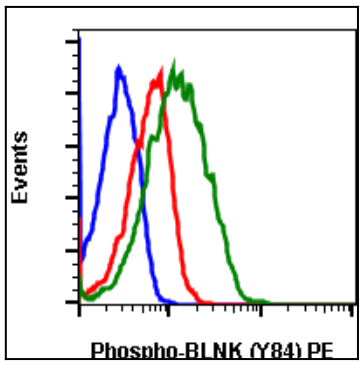


Fig-1: Flow cytometric analysis of Daudi cells unstained untreated cells as negative control (blue) or stained untreated (red) or treated with IFNa + IL-4 + pervanadate (green) using Phospho-BLNK (Tyr84) antibody BLNKY84-H4 PE conjugate.

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