Phospho-SLP-76 (Tyr128) (3F8) rabbit mAb APC conjugate

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Catalog: #2139 **Store at:** 2-8ºC

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

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

Format: APC

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,Mouse

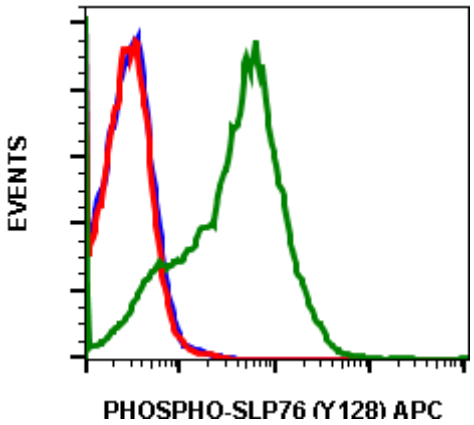
Recommended Usage: For flow cytometric staining, the suggested use of this reagent is 5 µL per million cells or 5 µL per 100 µL of staining volume. It is recommended that the reagent be titrated for optimal performance for each application.

Immunogen: A synthetic phospho-peptide corresponding to residues surrounding Tyr128 of human phospho SLP-76

Description: SH2 Domain-Containing Leukocyte Protein Of 76 KDa (SLP-76) is an adaptor protein that plays a role in signal transduction in T cells. Studies using a SLP-76-deficient T cell line have demonstrated that SLP-76 is required for optimal phosphorylation and activation of both PLCγ1 and the Ras pathway. SLP-76 phosphorylation is mediated by Zap70 upon TCR stimulation. Within an N-terminal acidic region, SLP-76 possesses three tyrosines (Tyr113, 128, and 145), which are phosphorylated upon activation. The sterile α-motif (SAM) domain of SLP-76 drives formation of dimers and higher order oligomers. SLP-76 micro-clusters at the immunological synapse enhance signal transduction and T cell activation.

References:

Zhang MS, Tran PM, Wolff AJ, Tremblay MM, Fosdick MG, and Houtman JCD. (2018) Science Signaling. 11:eaam9095.
Yablonski D, Kuhne MR, Kadlecek T, and Weiss A. (1998) Science. 281:413-416.
Thaker YR, Recino A, Raab M, Jabeen A, Wallberg M, Fernandez N, and Rudd CE. (2017) Journal of Biological Chemistry. 292:6281-6290.



Flow cytometric analysis of Ramos cells unstained untreated Ramos cells negative control (blue) or stained untreated (red) or treated cells with pervanadate (green) using phospho-SLP-76 (Tyr128) antibody SLP76Y128-3F8 APC conjugate. Cat. #2139.