

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

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## #2139

Store at: 2-8°C

**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% NaN<sub>3</sub>, 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 PLC $\gamma$ 1 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  $\Psi$ -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, Kadlecsek 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.

