

Product Data Sheet: Purified anti-phospho-SLP-76 (Tyr128) rabbit mAb

Catalog Number:	2136
Clone:	SLP76Y128-3F8
Isotype:	Rabbit IgG1κ
Immunogen:	A synthetic phospho-peptide corresponding to residues surrounding Tyr128 of human phospho SLP-76
Reactivity:	Mouse, Human
Cross Reactivity:	Same target other species with same sequence
Preparation:	Protein A+G
Formulation:	1X PBS, 0.02% NaN ₃ , 50% Glycerol, 0.1% BSA
Applications:	Flow Cytometry
Recommended Usage:	1- 0.001 µg/ml. Optimum concentration should be determined by the user.
Product Configuration:	200 ul (0.5mg/ml)
Detection:	anti-rabbit IgG

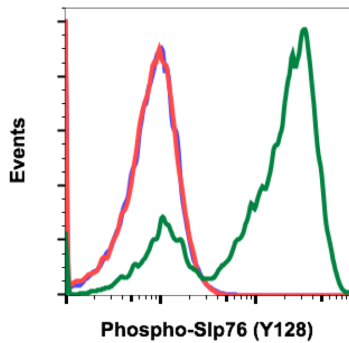
Description

SLP-76 was originally identified as a substrate of the ZAP-70 protein tyrosine kinase following T cell receptor (TCR) ligation in the leukemic T cell line Jurkat. The SLP-76 locus has been localized to human chromosome 5q33 and the gene structure has been partially characterized in mice. The human and murine cDNAs both encode 533 amino acid proteins that are 72% identical and composed of three modular domains. The NH₂-terminus contains an acidic region that includes a PEST domain and several tyrosine residues that are phosphorylated following TCR ligation. SLP-76 also contains a central proline-rich domain and a COOH-terminal SH2 domain. A number of additional proteins have been identified that associate with phospho SLP-76 both constitutively and inducibly following receptor ligation, supporting the notion that phospho SLP-76 functions as an adaptor or scaffold protein. Studies using SLP-76-deficient T cell lines or mice have provided strong evidence that SLP-76 plays a positive role in promoting T cell development and activation as well as mast cell and platelet function.

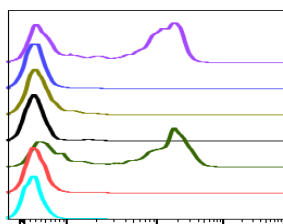
References

1. Clements, J.L. (2003) Immunol Rev 191, 211-9.
2. Bubeck Wardenburg, J. et al. (1998) Immunity 9, 607-16.
3. Bunnell, S.C. et al. (2000) J Biol Chem 275, 2219-30.

Purified anti-phospho-SLP-76 (Tyr128) rabbit mAb Images

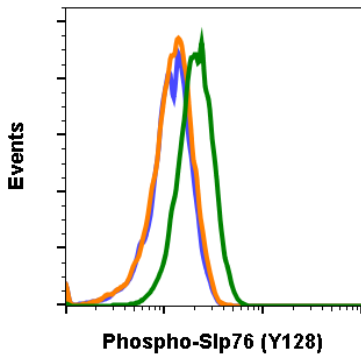


Flow cytometric analysis of Ramos cells, secondary antibody only negative control (blue), or untreated (red) or treated with pervanadate (green) using 10 ng/mL Phospho-SLP-76 (Tyr128) antibody SLP76Y128-3F8. Cat. #2136.



Peptide blocking flow cytometric analysis of Ramos cells, secondary antibody only negative control (light blue) or untreated (red) or treated with pervanadate (green) or untreated and blocked with phospho-peptide (black) or treated and blocked with phospho peptide (gold) or untreated and blocked with non-phospho peptide (dark blue) or treated and blocked with non-phospho peptide (purple) using Phospho-SLP-76 (Tyr128) antibody SLP76Y128-3F8 at 0.01µg/mL. Cat. #2136.

SampleID	Median : BL1-A
Pv 3F8 N	5644
Ctrl 3F8 N	289
Pv 3F8 P	340
Ctrl 3F8 P	282
Pv 3F8	7501
Ctrl 3F8	304
Ctrl 2' only	253



SLP76Y128-3F8 recognizes basal phosphorylation levels in mouse cells. Flow cytometric analysis of NIH3T3 cells, secondary antibody only (blue) or 0.1 µg/mL of isotype control Cat. #2141 (orange) or of Phospho-SLP-76 (Tyr128) antibody SLP76Y128-3F8 (green) Cat. #2136.