

Product Datasheet

Phospho-SLP-76 (Tyr128) (3F8) rabbit mAb Antibody (orb1946246)

Catalog Number	orb1946246
Category	Antibodies
Description	<p>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 PLCg1 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 $\text{C}\epsilon\pm$-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.</p>
Clonality	Monoclonal
Species/Host	Rabbit
Isotype	Rabbit IgG1k
Conjugation	Unconjugated
Reactivity	Human, Mouse
Form/Appearance	Liquid
Concentration	0.5 mg/mL
Buffer/Preservatives	1X PBS, 0.02% NaN ₃ , 50% Glycerol, 0.1% rAlbumin
Purification	Protein A+G

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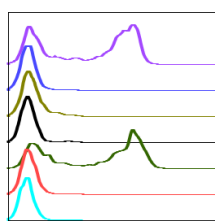
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Immunogen	A synthetic phospho-peptide corresponding to residues surrounding Tyr128 of human phospho SLP-76
UniProt ID	Q13094
Tested applications	FC
Dilution range	1µg/mL - 0.001µg/mL. It is recommended that the reagent be titrated for optimal performance for each application. See product image legends for additional information.
Cross Reactivity	Predicted to work with mouse, rat and other homologues.
Clone Number	SLP76Y128-3F8
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



Phospho-Slp76 (Y128)

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

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. #orb1946246.

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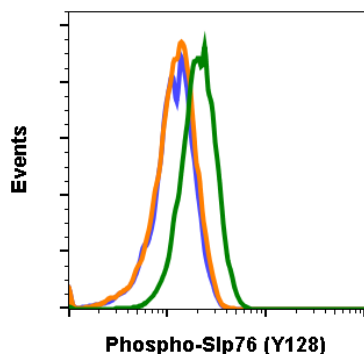
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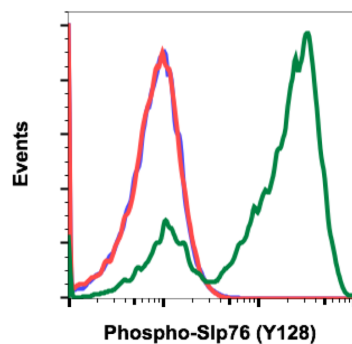
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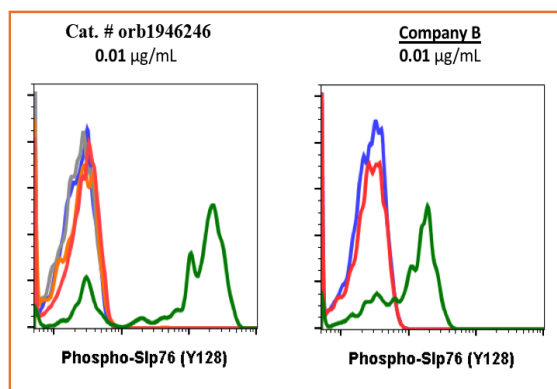
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SLP76Y128-3F8 recognizes basal phosphorylation levels in mouse cells. Flow cytometric analysis of NIH3T3 cells secondary antibody only (blue) or 0.1 µg/mL of isotype control Cat. #orb1946241 (orange) or of Phospho-SLP-76 (Tyr128) antibody SLP76Y128-3F8 (green) Cat. #orb1946246.



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. #orb1946246.



Flow cytometric analysis of Ramos cells secondary antibody only negative control (blue) or untreated (grey) or treated with pervanadate (orange) using 10 ng/mL of isotype control Cat. #orb1946241 or untreated (red) or pervanadate (green) using 10 ng/mL of Phospho-SLP-76 (Tyr128) antibody SLP76Y128-3F8 Cat. #orb1946246 or Company B antibody at 10 ng/mL.

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