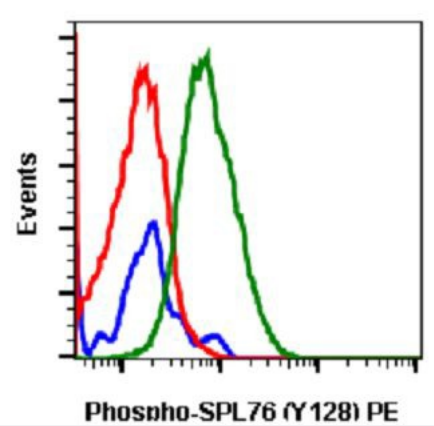
LCP2 (phospho Y128) monoclonal antibody, clone 3F8 (PE)

Catalog # MAB19092 Size 10 Reactions

Applications



Flow Cytometry

Flow cytometric analysis of Ramos cells unstained cells negative control (blue) or untreated (red) or treated with pervanadate (green) using LCP2 (phospho Y128) monoclonal antibody (PE).

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic phosphopeptide of human LCP2.
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Y128 of human LCP2.
Host	Rabbit
Reactivity	Human
Form	Liquid
Conjugation	PE
Purification	Protein A/G Purification
Isotype	IgG1k
Recommend Usage	Flow Cytometry (5 uL/10^6 cells or 0.05 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.2% BSA, 0.09% sodium azide).

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Storage Instruction	Store at 2-8°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

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Gene Info — LCP2

Entrez GeneID	3937
Gene Name	LCP2
Gene Alias	SLP-76, SLP76
Gene Description	lymphocyte cytosolic protein 2 (SH2 domain containing leukocyte protein of 76kDa)
Omim ID	601603
Gene Ontology	Hyperlink
Gene Summary	SLP-76 was originally identified as a substrate of the ZAP-70 protein tyrosine kinase following T c ell 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 comp rised of three modular domains. The NH2-terminus contains an acidic region that includes a PES T domain and several tyrosine residues which are phosphorylated following TCR ligation. SLP-76 also contains a central proline-rich domain and a COOH-terminal SH2 domain. A number of addit ional proteins have been identified that associate with SLP-76 both constitutively and inducibly foll owing receptor ligation, supporting the notion that SLP-76 functions as an adaptor or scaffold prot ein. Studies using SLP-76 deficient T cell lines or mice have provided strong evidence that SLP-7 6 plays a positive role in promoting T cell development and activation as well as mast cell and plat elet function. [provided by RefSeq
Other Designations	76 kDa tyrosine phosphoprotein|SH2 domain-containing leukocyte protein of 76kD|lymphocyte cyt osolic protein 2|lymphocyte cytosolic protein 2 (SH2 domain-containing leukocyte protein of 76kD)

Pathway

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- Fc epsilon RI signaling pathway
- Natural killer cell mediated cytotoxicity
- T cell receptor signaling pathway

Disease

- Disease Progression
- Disease Susceptibility
- HIV Infections
- Lymphedema

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