

Datasheet for ABIN1176936
anti-LCP2 antibody (PE)



[Go to Product page](#)

1 Publication

Overview

Quantity:	50 tests
Target:	LCP2
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This LCP2 antibody is conjugated to PE
Application:	Intracellular Staining (ICS)

Product Details

Brand:	BD Phosflow™
Immunogen:	Human SLP-76 SH2 domain Recombinant Protein
Clone:	H3
Isotype:	IgG2a kappa
Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Target Details

Target:	LCP2
Alternative Name:	SLP-76 (LCP2 Products)
Background:	SLP-76 (SH2 domain-containing Leukocyte Protein of 76 kDa) is a tyrosine phosphoprotein that

Target Details

is involved in the T cell receptor (TCR) -mediated intracellular signaling pathway. It may be involved in the signaling pathways of other peripheral blood leukocytes, thymic/splenic cells, and in human T, B, and monocytic cell lines. SLP-76 consists of several motifs that signify its importance in protein-protein interactions involved in intracellular signaling pathways, such as the SH2 domain in the C-terminus, the three amino-terminus 17-amino acid repeats with conserved tyrosine and acidic residues (DYE(S/P)P), and a proline rich region. SLP-76 has been shown to associate with Gads, Grb2, PLCg1, SLAP-130, and Vav, all of which are part of the signaling cascade in T lymphocytes. An early event in the T cell activation pathway is the phosphorylation, by the Syk-family kinase ZAP-70, of SLP-76 at the three conserved tyrosine motifs, which then mediate interactions with downstream effectors. The H3 monoclonal antibody recognizes SLP-76, regardless of phosphorylation status. This antibody conjugate is routinely tested by intracellular flow cytometry.

Pathways: [TCR Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#)

Application Details

Sample Volume: 20 µL

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Aqueous buffered solution containing BSA and ≤0.09 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

Storage Comment: The antibody was conjugated with R-PE under optimum conditions, and unconjugated antibody and free PE were removed. Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

Publications

Product cited in: Bubeck Wardenburg, Fu, Jackman, Flotow, Wilkinson, Williams, Johnson, Kong, Chan, Findell: "Phosphorylation of SLP-76 by the ZAP-70 protein-tyrosine kinase is required for T-cell receptor

function." in: **The Journal of biological chemistry**, Vol. 271, Issue 33, pp. 19641-4, (1996) ([PubMed](#)).