Datasheet for ABIN1176934

anti-LCP2 antibody (Alexa Fluor 647)

2 Publications

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Overview

Quantity:	50 tests
Target:	LCP2
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This LCP2 antibody is conjugated to Alexa Fluor 647
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 to Alexa Fluor® 647 under optimum conditions, and unreacted Alexa Fluor® 647 was removed. Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

Publications

Product cited in:	Wu, Koretzky: "The SLP-76 family of adapter proteins." in: **Seminars in immunology**, Vol. 16, Issue 6, pp. 379-93, (2004) (PubMed).

Bonilla, Fujita, Pivniouk, Chan, Geha: "Adapter proteins SLP-76 and BLNK both are expressed by murine macrophages and are linked to signaling via Fcgamma receptors I and II/III." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 97, Issue 4, pp. 1725-30, (2000) (PubMed).

