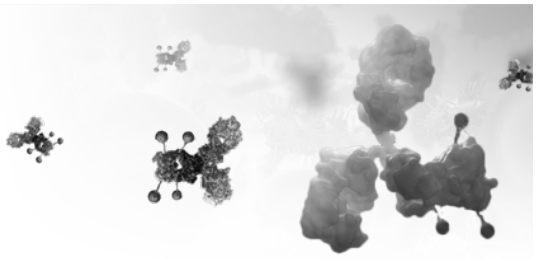

Mouse anti-Human LCP2 monoclonal antibody, clone TMQ-87/04 (CABT-B10552)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Recombinant His fusion protein corresponding to amino acids 216-434 of human LCP2.
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	human
Clone	TMQ-87/04
Conjugate	Unconjugated
Applications	WB, IHC
Format	Liquid
Buffer	In PBS, pH 7.4 (15 mM sodium azide)
Storage	Store at 4°C. For long term storage store at -20°C.Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	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 comprised of three modular domains. The NH2-terminus contains an acidic region that includes a PEST domain and several tyrosine residues which are phosphorylated following

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	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 SLP-76 both constitutively and inducibly following receptor ligation, supporting the notion that 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. [provided by RefSeq, Jul 2008]
Keywords	LCP2; lymphocyte cytosolic protein 2 (SH2 domain containing leukocyte protein of 76kDa); SLP76; SLP-76; lymphocyte cytosolic protein 2; 76 kDa tyrosine phosphoprotein; SLP-76 tyrosine phosphoprotein; SH2 domain-containing leukocyte protein of 76kD; SH2 domain-containing leukocyte protein of 76 kDa;

GENE INFORMATION

Entrez Gene ID	3937
UniProt ID	Q13094
Pathway	Adaptive Immune System, organism-specific biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem; Fc epsilon RI signaling pathway, organism-specific biosystem; Fc epsilon RI signaling pathway, conserved biosystem; Fc-epsilon receptor I signaling in mast cells, organism-specific biosystem; GPVI-mediated activation cascade, organism-specific biosystem; Generation of second messenger molecules, organism-specific biosystem;

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