



## Human LCP2 blocking peptide (CDBP2727)

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

### PRODUCT INFORMATION

<b>Product Overview</b>	Blocking/Immunizing peptide for anti-SLP76/LCP2 antibody
<b>Antigen Description</b>	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 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]
<b>Species</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Apuri, BL, ELISA
<b>Format</b>	Lyophilized powder
<b>Size</b>	100 µg
<b>Preservative</b>	None
<b>Storage</b>	Shipped at ambient temperature, store at -20°C.

### GENE INFORMATION

<b>Gene Name</b>	<a href="#">LCP2 lymphocyte cytosolic protein 2 (SH2 domain containing leukocyte protein of 76kDa) [Homo sapiens (human)]</a>
<b>Official Symbol</b>	LCP2
<b>Synonyms</b>	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;
<b>Entrez Gene ID</b>	<a href="#">3937</a>
<b>mRNA Refseq</b>	<a href="#">NM_005565.3</a>
<b>Protein Refseq</b>	<a href="#">NP_005566.1</a>
<b>UniProt ID</b>	Q13094
<b>Chromosome Location</b>	5q35.1
<b>Pathway</b>	Adaptive Immune System, organism-specific biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem; DAP12 interactions, organism-specific biosystem; DAP12 signaling, organism-specific biosystem; FCER1 mediated Ca <sup>2+</sup> mobilization, organism-specific biosystem; FCER1 mediated MAPK activation, organism-specific biosystem; Fc epsilon RI signaling pathway, organism-specific biosystem; Fc epsilon RI signaling pathway, conserved biosystem; Fc epsilon receptor (FCER1) signaling, organism-
<b>Function</b>	protein binding;