



Human LCP2 blocking peptide (CDBP2727)

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

PRODUCT INFORMATION

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

GENE INFORMATION

Gene Name	LCP2 lymphocyte cytosolic protein 2 (SH2 domain containing leukocyte protein of 76kDa) [Homo sapiens (human)]
Official Symbol	LCP2
Synonyms	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;
Entrez Gene ID	3937
mRNA Refseq	NM_005565.3
Protein Refseq	NP_005556.1
UniProt ID	Q13094
Chromosome Location	5q35.1
Pathway	Adaptive Immune System, organism-specific biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem; DAP12 interactions, organism-specific biosystem; DAP12 signaling, organism-specific biosystem; FCERI mediated Ca+2 mobilization, organism-specific biosystem; FCERI mediated MAPK activation, organism-specific biosystem; Fc epsilon RI signaling pathway, organism-specific biosystem; Fc epsilon RI signaling pathway, conserved biosystem; Fc epsilon receptor (FCERI) signaling, organism-
Function	protein binding;