



# Human LAT blocking peptide (CDBP1732)

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-LAT1 antibody
<b>Antigen Description</b>	The protein encoded by this gene is phosphorylated by ZAP-70/Syk protein tyrosine kinases following activation of the T-cell antigen receptor (TCR) signal transduction pathway. This transmembrane protein localizes to lipid rafts and acts as a docking site for SH2 domain-containing proteins. Upon phosphorylation, this protein recruits multiple adaptor proteins and downstream signaling molecules into multimolecular signaling complexes located near the site of TCR engagement. Alternative splicing results in multiple transcript variants encoding different isoforms. [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="#">LAT linker for activation of T cells [ Homo sapiens ]</a>
<b>Official Symbol</b>	LAT
<b>Synonyms</b>	LAT; linker for activation of T cells; linker for activation of T-cells family member 1; LAT1;

transmembrane adaptor; p36-38; 36 kDa phospho-tyrosine adapter protein; 36 kDa phospho-tyrosine adaptor protein; linker for activation of T cells, transmembrane adaptor; pp36;

Entrez Gene ID	<a href="#">27040</a>
mRNA Refseq	<a href="#">NM_001014987</a>
Protein Refseq	<a href="#">NP_001014987</a>
UniProt ID	O43561
Chromosome Location	16q13
Pathway	Adaptive Immune System, organism-specific biosystem; Fc epsilon RI signaling pathway, organism-specific biosystem; Fc epsilon RI signaling pathway, conserved biosystem; Fc gamma R-mediated phagocytosis, organism-specific biosystem; Fc gamma R-mediated phagocytosis, conserved biosystem; Fc-epsilon receptor I signaling in mast cells, organism-specific biosystem; GPVI-mediated activation cascade, organism-specific biosystem;
Function	SH3/SH2 adaptor activity; protein binding; protein kinase binding;