



## Mouse TLR4 peptide (DAG-P1218)

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

### PRODUCT INFORMATION

<b>Antigen Description</b>	Cooperates with LY96 and CD14 to mediate the innate immune response to bacterial lipopolysaccharide (LPS). Acts via MYD88, TIRAP and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. Also involved in LPS-independent inflammatory responses triggered by Ni(2+). These responses require non-conserved histidines and are, therefore, species-specific.
<b>Specificity</b>	Highly expressed in placenta, spleen and peripheral blood leukocytes. Detected in monocytes, macrophages, dendritic cells and several types of T-cells.
<b>Purity</b>	70 - 90% by HPLC.
<b>Conjugate</b>	Unconjugated
<b>Sequence Similarities</b>	Belongs to the Toll-like receptor family. Contains 18 LRR (leucine-rich) repeats. Contains 1 LRRCT domain. Contains 1 TIR domain.
<b>Format</b>	Liquid
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

### GENE INFORMATION

<b>Gene Name</b>	<a href="#">Tlr4 toll-like receptor 4 [ Mus musculus (house mouse) ]</a>
<b>Official Symbol</b>	TLR4
<b>Synonyms</b>	TLR4; toll-like receptor 4; Lps; Ly87; Ran/M1; Rasl2-8; lipopolysaccharide response;

<b>Entrez Gene ID</b>	<a href="#">21898</a>
<b>mRNA Refseq</b>	<a href="#">NM_021297.2</a>
<b>Protein Refseq</b>	<a href="#">NP_067272.1</a>
<b>UniProt ID</b>	L0CL36
<b>Chromosome Location</b>	4 C1; 4 34.66 cM
<b>Pathway</b>	Activated TLR4 signalling, organism-specific biosystem; Activation of IRF3/IRF7 mediated by TBK1/IKK epsilon, organism-specific biosystem; Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Chagas disease (American trypanosomiasis), organism-specific biosystem; Chagas disease (American trypanosomiasis), conserved biosystem; HIF-1 signaling pathway, organism-specific biosystem; Hepatitis B, organism-specific biosystem; IKK complex recruitment mediated by RIP1, organism-spec
<b>Function</b>	lipopolysaccharide binding; lipopolysaccharide receptor activity; phosphatidylinositol 3-kinase binding; protein binding; receptor activity; transmembrane signaling receptor activity;