



## LY96 peptide (DAG-P1763)

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

### PRODUCT INFORMATION

<b>Antigen Description</b>	This gene encodes a protein which associates with toll-like receptor 4 on the cell surface and confers responsiveness to lipopolysaccharide (LPS), thus providing a link between the receptor and LPS signaling. Studies of the mouse ortholog suggest that this gene may be involved in endotoxin neutralization. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2010]
<b>Purity</b>	70 - 90% by HPLC.
<b>Conjugate</b>	Unconjugated
<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="#">LY96 lymphocyte antigen 96 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	LY96
<b>Synonyms</b>	LY96; lymphocyte antigen 96; MD2; MD-2; ly-96; ESOP-1; protein MD-2; myeloid differentiation protein-2;
<b>Entrez Gene ID</b>	<a href="#">23643</a>
<b>mRNA Refseq</b>	<a href="#">NM_001195797.1</a>
<b>Protein Refseq</b>	<a href="#">NP_001182726.1</a>

<b>UniProt ID</b>	E5RJJ7
<b>Chromosome Location</b>	8q21.11
<b>Pathway</b>	Activated TLR4 signalling, organism-specific biosystem; Activation of IRF3/IRF7 mediated by TBK1/IKK epsilon, organism-specific biosystem; IKK complex recruitment mediated by RIP1, organism-specific biosystem; Immune System, organism-specific biosystem; Innate Immune System, organism-specific biosystem; MyD88-independent cascade, organism-specific biosystem; MyD88:Mal cascade initiated on plasma membrane, organism-specific biosystem; NF-kappa B signaling pathway, organism-specific biosystem; Pat
<b>Function</b>	coreceptor activity; lipopolysaccharide receptor activity; protein binding;