

Recombinant Mouse Lipopolysaccharide Binding Protein

Cat. No. Lbp-247M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse LBP produced in <i>CHO-cells</i> encodes full length amino acids and has a molecular mass of 58 kDa.
Species	Mouse
Source	CHO
Description	LBP is produced from mouse LBP transfected CHO-cells in serum free medium. For transfection we have cloned complete mouse LBP cDNA into expression vector pPOL-DHFR. Before transfection the complete mouse LBP cDNA was amplified by PCR and cloned into expression vector p-POL-DHFR. RmLBP was produced by his-tag by means of metal affinity purification with Talon and controlled by SDS page. Attention: His-tag at the c-terminal end of the LBP has no protease site and is not to split off. up to 2 µg/ml LBP mediates binding of FITC-LPS (0.5µg/ml) to CD14+CHO transfectants (2 x 10 ⁶ /ml).
Application And Suggested Dilutions	ELISA, Inhibition Assays, Western Blotting.
Formulation	Recombinant Mouse LBP was lyophilized from a protein solution (0.5 mg/ml) containing phosphate-buffered saline, pH 7.2.
Characterization	On SDS-PAGE comassie blue stained gel, the 95% purified recombinant protein shows a band at 58 kDa.

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Storage & Stability	Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months.
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Full Length	Full L.
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GENE INFORMATION

Gene Name	Lbp lipopolysaccharide binding protein [Mus musculus]
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Synonyms	Lbp; lipopolysaccharide binding protein; Ly88
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Gene ID	16803
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mRNA Refseq	NM_008489
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Protein Refseq	NP_032515
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UniProt ID	Q61805
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Chromosome Location	2 H1; 2 83.0 cM
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Pathway	Toll-like receptor signaling pathway
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Function	lipid binding; lipopolysaccharide binding; lipoteichoic acid binding; receptor binding
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