

Recombinant Mouse Lipopolysaccharide Binding Protein

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

SPECIFICATION

Product Overview	Recombinant Mouse LBP produced in <i>CHO-cell</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 10⁶/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.

Full Length

Full L.

GENE INFORMATION
Gene Name

Lbp lipopolysaccharide binding protein [*Mus musculus*]

Synonyms

Lbp; lipopolysaccharide binding protein; Ly88

Gene ID

16803

mRNA Refseq

NM_008489

Protein Refseq

NP_032515

UniProt ID

Q61805

**Chromosome
Location**

2 H1; 2 83.0 cM

Pathway

Toll-like receptor signaling pathway

Function

lipid binding; lipopolysaccharide binding; lipoteichoic acid binding; receptor binding

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