

Lipopolysaccharide Human Recombinant

Item Number	rAP-3529
Synonyms	Lipopolysaccharide-binding protein, LBP, MGC22233.
Description	The Lipopolysaccharide Binding Protein is produced from human LBP transfected CHO-cells in serum free medium. Before transfection the complete human LBP-cDNA was amplified by PCR and cloned into expression vector p-POL-DHFR. The recombinant Human LBP was purified by his-tag with metal affinity purification.
Uniprot Accesion Number	P18428
Amino Acid Sequence	
Source	Chinese Hamster Ovarian Cells (CHO).
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized LBP Human Recombinant although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution LBP should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.
Formulation and Purity	Recombinant Human LBP was lyophilized from a protein solution (0.3mg/ml) containing phosphate-buffered saline, pH 7.2.
Application	
Solubility	Every 10 μ g of recombinant human LBP should be reconstituted using 33 μ l of sterile H2O. The solution can be then diluted with phosphate-buffered saline or other buffers.
Biological Activity	Up to 0.2 μ g/ml LBP mediates binding of FITC-LPS (0.5 μ g/ml) to CD14+CHO transfectants (FACS).
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**