

## LBP

### Mouse Anti-Human LPS-binding Protein (Clone biG 43) mAb

<b>Catalog No.</b>	CML007	<b>Quantity:</b>	100 µg
<b>Alternate Names:</b>	Lipopolysaccharide Binding Protein, LPS-binding protein, BPI fold containing family D, Member 2, BPIFD2		
<b>Description:</b>	<p>LBP is involved in the acute-phase immunologic response to gram-negative bacterial infections. Gram-negative bacteria contain a glycolipid, lipopolysaccharide (LPS), on their outer cell wall. Together with bactericidal permeability-increasing protein (BPI), the encoded protein binds LPS and interacts with the CD14 receptor, probably playing a role in regulating LPS-dependent monocyte responses. Studies in mice suggest that the encoded protein is necessary for the rapid acute-phase response to LPS but not for the clearance of LPS from circulation. This protein is part of a family of structurally and functionally related proteins, including BPI, plasma cholesteryl ester transfer protein (CETP), and phospholipid transfer protein (PLTP).</p> <p>No inhibition of LPS binding to membrane bound CD14 by this antibody.</p>		
<b>Concentration IgG:</b>	≥ 1.0 mg/ml, lot specific		
<b>Gene ID:</b>	3929		
<b>UniProt ID:</b>	P18428		
<b>Host:</b>	Mouse		
<b>Immunogen:</b>	LBP knockout mouse was immunized with immunoaffinity purified recombinant LBP		
<b>Isotype:</b>	IgG <sub>1</sub>		
<b>Clone:</b>	biG 43		
<b>Formulation:</b>	Lyophilized from a concentrated protein solution in PBS, pH 7.2. Content was determined by OD280 nm. No preservatives or stabilizers added.		
<b>Purification:</b>	Protein G affinity chromatography		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> Reconstitute with sterile ultra-pure deionized water. This product can be diluted further with PBS or other buffers.		
<b>Applications:</b>	<b>Human LBP ELISA:</b> recommended dilution of 1:100,000. <b>Bovine LBP ELISA:</b> recommended dilution of 1:10 (good) - 1:400 (detectable). <b>Western blot</b> The optimal concentration should be determined by the user for each specific application.		
<b>Storage &amp; Stability:</b>	Upon receipt, store as supplied at -20°C to -80°C for up to 1 year. Reconstituted product should be used immediately or stored in working aliquots at -20°C to -80°C. For long term storage, it is recommended to add a carrier protein (0.1% BSA). <b>Avoid repeated freeze-thaw cycles.</b>		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



**Cell Sciences®**  
65 Parker Street  
Unit 11  
Newburyport, MA 01950

Toll Free: 888-769-1246  
Phone: 978-572-1070  
Fax: 978-992-0298

E-mail: [info@cellsciences.com](mailto:info@cellsciences.com)  
Website: [www.cellsciences.com](http://www.cellsciences.com)