

LBP

Mouse Anti-Human LBP Clone biG 412 mAb

Catalog No.	CML004	Quantity:	100 µg
Alternate Names:	Lipopolysaccharide Binding Protein, LPS-binding protein, BPI fold containing family D, member 2, BPIFD2		
Description:	Mouse monoclonal antibody against human LBP Clone biG 412 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).		
Concentration:	2 mg/ml		
Gene ID:	3929		
Host:	Mouse		
Immunogen:	Recombinant human LBP		
Isotype:	IgG1		
Clone:	biG 412		
Formulation:	Lyophilized in PBS with no preservatives or additives		
Purification:	Protein G purified		
Reconstitution:	Centrifuge vial prior to opening. Reconstitute with 50 µl sterile distilled water		
Applications:	ELISA: Binding titer for human LBP ELISA: 1:5,000. LBP inhibition studies: Inhibits LPS binding to membrane bound CD14, Inhibition titer: 1:1000. Antibody directly influences the interaction of CD14-LPS-LBP. The binding site is at the C-terminal site of LBP. The optimal concentration should be determined by the user for each specific application.		
Storage & Stability:	Store at -20°C to -80°C. Avoid repeated freeze-thaw cycles.		

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

