Lbp
Mouse Anti-Mouse LBP Clone biG 33 mAb

Catalog No.	CML001	**Quantity:**	100 µg
Alternate Names:	Ly88		

Description: Mouse monoclonal antibody against mouse LBP Clone biG 33 made in knockout mice. 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: 1 mg/ml

Gene ID: 16803

Specificity: Mouse LBP

Host: LBP-Knockout Mouse

Immunogen: Immunoaffinity purified recombinant mouse LBP

Isotype: IgG1

Clone: biG 33

Formulation: Lyophilized in PBS without preservatives or additives

Purification: Protein G purified

Reconstitution: **Centrifuge vial prior to opening**. For reconstitution, add 100 µl of distilled water to obtain 1 mg/ml.

Cross-Reactivity: Cross-reacts with rat and human LBP.

Applications: ELISA, Western blot, and LBP inhibition studies. Inhibits binding of LPS to membrane bound CD14. Inhibits LPS-binding (0.5 µg/ml) to $CD14^+$ CHO cells (2 x 10^6/ml) up to 1:1,000, total inhibition 1:5. Binding titer for mouse LBP ELISA: 1:50,000. The optimal concentration should be determined by the user for each specific application.

Storage & Stability: Store long term at -20°C or -80°C. **Avoid repeated freeze-thaw cycles**.

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