

Lbp

## Rat Anti-Mouse Lipopolysaccharide-binding Protein Clone M330-19 mAb

<b>Catalog No.</b>	MON7055	<b>Quantity:</b>	100 µg
<b>Alternate Names:</b>	Ly88, lipopolysaccharide-binding protein		
<b>Description:</b>	<p>The monoclonal antibody M330-19 reacts highly specific with mouse natural and recombinant LBP. The antibody is a type I antibody blocking the LPS binding to LBP. LPS binding protein (LBP) is an approximately 60 kDa acute phase protein that is produced by hepatocytes. This protein strongly binds to LPS and has been shown to play an important role in the handling of LPS by the host. A number of functions of LBP have been reported. First, LBP transfers LPS to the LPS receptor CD14 on mononuclear phagocytes, leading to an 100-1,000-fold increased sensitivity of the cells to LPS. Furthermore, LBP can enhance the response of CD14 negative cells by acceleration of LPS binding to soluble CD14, a complex that stimulates these cells. Next, LBP transfers LPS into High Density Lipoprotein (HDL), which effectively neutralizes its biological potency. LBP was demonstrated to protect mice from septic shock caused by LPS or gram negative bacteria.</p>		
<b>Gene ID:</b>	16803		
<b>Host:</b>	Rat		
<b>Isotype:</b>	IgG2a		
<b>Formulation:</b>	<p>1 ml (100 µg/ml) 0.2 µm filtered antibody solution in PBS, containing 0.02% sodium azide and 0.1% bovine serum albumin.</p> <p><b>Precaution:</b> Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.</p>		
<b>Applications:</b>	<p>The antibody can be used for functional studies in vitro and in vivo aimed at blocking LBP. Furthermore the antibody is useful for immuno assays and for Western blotting.</p>		
<b>Application Notes:</b>	<p>For Western blotting dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:10. For neutralization of biological activity dilutions have to be made according to the amounts LBP to be inactivated. Before use in biological assays, the product must be filter sterilized and depending on the concentration to be used dialyzed against culture medium to remove the sodium azide added. Please inquire for availability of azide free solutions.</p>		
<b>Storage &amp; Stability:</b>	<p>Product should be stored at 4°C. Under recommended storage conditions, product is stable until expiration date.</p>		

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



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