

Hycult biotechnology

LBP, Clone 6G3, Human mAb

Catalog No.	HM2043	Quantity:	100 µg
Description:	<p>The monoclonal antibody 6G3 reacts highly specific with human natural and recombinant LBP. The antibody cross reacts with LBP of a large series of animal species including: sheep, pig, goat, rabbit, dog, rat, bovine and cynomolgus monkey, it does not react with mouse and horse LBP. The antibody binds to LBP-LPS complexes whereas it inhibits the interaction of this complex with CD14.</p> <p>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>		
Concentration:	100 µg/ml		
Specificity:	Human LBP		
Host:	Mouse		
Isotype:	IgG ₁		
Clone:	6G3		
Formulation:	1 ml (100 µg/ml) 0.2 µm filtered antibody solution in PBS, containing 0.1% bovine serum albumin.		
Cross-Reactivity:	Cross reacts with LBP of a large series of animal species including: sheep, pig, goat, rabbit, dog, rat, bovine and cynomolgus monkey. It does not react with mouse and horse LBP.		
Applications	The antibody can be used for immuno precipitation and biological functional studies. Furthermore the antibody is useful for the detection of LBP in ELISA both as coating and detector. The antibody is not useful for immunohistology neither for Western blotting.		
Storage & Stability:	Product should be stored at 4°C. Under recommended storage conditions, product is stable for one year.		
Also available:	HM2044: Monoclonal antibody against Human LBP, clone 1C7; interacts with LBP binding site. Interacts poorly with LBP-LPS complexes HM1026: Monoclonal antibody against Mouse LBP, clone M330-19; blocks LBP binding to LPS HM1027: Monoclonal antibody against Mouse LBP, clone RR433-8; blocks binding to CD14 HM1028: Monoclonal antibody against Mouse LBP, clone M392-2; shows no neutralizing activity HP9023: Polyclonal antibody against Human LBP		

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