

Product Datasheet

LBP Antibody (M330-19) **NBP1-42426**

Unit Size: 0.05 mg

Store at 4C. Do not freeze.

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NBP1-42426

LBP Antibody (M330-19)

Product Information	
Unit Size	0.05 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	M330-19
Preservative	0.02% Sodium Azide
Isotype	IgG2a
Purity	Protein A or G purified
Buffer	PBS, 0.1% BSA
Product Description	
Host	Rat
Gene ID	3929
Gene Symbol	LBP
Species	Mouse
Specificity/Sensitivity	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.
Immunogen	The antibody reacts with the LBP antigen.
Product Application Details	
Applications	Western Blot
Recommended Dilutions	Western Blot 1:100-1:2000
Application Notes	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. 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





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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