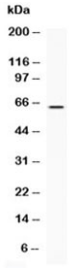
LBP Antibody (R32867)

Catalog No.	Formulation	Size
R32867	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	P18428
Applications	Western Blot : 0.5-1ug/ml ELISA (Capture : Recombinant Human Protein) : 0.1-0.5ug/ml (BSA-free format available)
Limitations	This LBP antibody is available for research use only.



Western blot testing of recombinant human protein with LBP antibody at 0.5ug/ml. Predicted molecular weight ~53 kDa (unmodified), 60-65 kDa (glycosylated).

Description

Lipopolysaccharide binding protein is a protein that in humans is encoded by the LBP gene. The protein encoded by this gene 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).

Application Notes

Optimal dilution of the LBP antibody should be determined by the researcher.

Immunogen

A recombinant human protein corresponding to amino acids A26-R257 was used as the immunogen for the LBP antibody.

Storage

After reconstitution, the LBP antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.