

ARG81396 Mouse/Rat LBP ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG81396 Mouse/Rat LBP ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse/Rat LBP in serum, plasma and cell culture supernatants.
Tested Reactivity	Ms, Rat
Tested Application	ELISA
Specificity	The kit detected free as well as bound LBP.
Target Name	LBP
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	3 ng/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	3.12 - 50 ng/ml
Sample Volume	100 µl
Precision	Inter-assay: 7-13.6%; Intra-assay: 2.4%
Alternate Names	LBP; Lipopolysaccharide-binding protein; BPIFD2

Application Instructions

Assay Time	~ 2.5 hours
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Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	LBP
Gene Full Name	lipopolysaccharide binding protein
Background	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). [provided by RefSeq, Apr 2012]

Function

Plays a role in the innate immune response. Binds to the lipid A moiety of bacterial lipopolysaccharides (LPS), a glycolipid present in the outer membrane of all Gram-negative bacteria, and acts as an affinity enhancer for CD14, facilitating its association with LPS. Promotes the release of cytokines in response to bacterial lipopolysaccharide. [UniProt]

Highlight

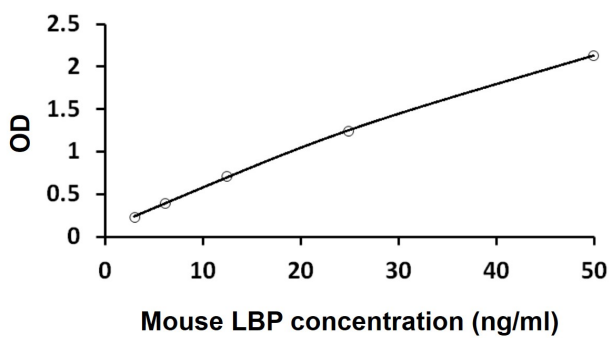
Related products:

[LBP antibodies](#); [LBP ELISA Kits](#);

New ELISA data calculation tool:

[Simplify the ELISA analysis by GainData](#)

Images



ARG81396 Mouse/Rat LBP ELISA Kit standard curve image

ARG81396 Mouse/Rat LBP ELISA Kit results of a typical standard run with optical density reading at 450 nm.