

Product datasheet for AM26276PU-N

LBP Mouse Monoclonal Antibody [Clone ID: 1C7]

Product data:

Product Type: Primary Antibodies

Clone Name: 1C7

Applications: ELISA, FN, IP

Recommended Dilution: Functional assays.

ELISA both as coating and detector.

Immunoprecipitation.

Not useful for immunohistology neither for Western blotting.

Reactivity: Human
Host: Mouse
Isotype: IgG1

Clonality: Monoclonal

Specificity: The monoclonal antibody 1C7 reacts highly specific with human natural and recombinant

LBP. Crossreactions with LBP of other species are not observed. The antibody binds poorly to

LBP-LPS complexes: it interacts with the LPS binding site.

Formulation: PBS

State: Purified

State: Liquid 0.2 µm filtered lg fraction Stabilizer: 0.1% bovine serum albumin Preservative: containing 0.02% sodium

Concentration: lot specific

Purification: Protein G

Conjugation: Unconjugated
Storage: Store at 2 - 8 °C.

Stability: Shelf life: one year from despatch.

Gene Name: lipopolysaccharide binding protein

Database Link: NP 004130.2

Entrez Gene 3929 Human

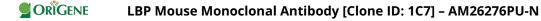
P18428



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



Background: LPS binding protein (LBP) is an approximately 60 kDa acute phase protein that is produced

septic shock caused by LPS or gram negative bacteria.

Toll-like receptor signaling pathway

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

Synonyms: Lipopolysaccharide-binding protein

Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: