

For Research Use Only

LBP Recombinant antibody

Catalog Number: 83427-1-RR



Basic Information

Catalog Number: 83427-1-RR	GenBank Accession Number: NM_004139.4	Purification Method: Protein A purification
Size: 1000 μ g/ml	GeneID (NCBI): 3929	CloneNo.: 230524G10
Source: Rabbit	UNIPROT ID: P18428	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: lipopolysaccharide binding protein	
	Calculated MW: 53KD	
	Observed MW: 63-67 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : A431 cells,
Species Specificity: human	

Background Information

LBP (lipopolysaccharide-binding protein) is an acute-phase protein, predominantly synthesized by hepatocytes. It is present in normal serum at concentrations of 5 to 10 μ g/ml, rising up to 200 μ g/ml 24 h after induction of an acute-phase response. LBP 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. (PMID: 9665271; 11598069)

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

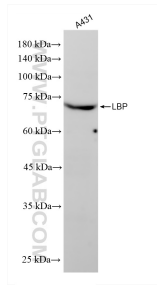
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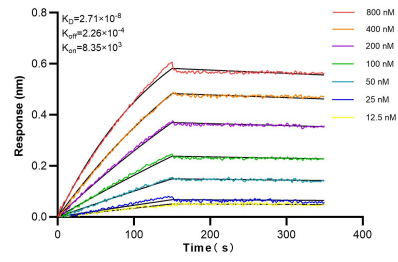
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Selected Validation Data



A431 cells were subjected to SDS PAGE followed by western blot with 83427-1-RR (LBP antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83427-1-RR against Human LBP were performed. The affinity constant is 27.1 nM.