Product Datasheet

Lipid A Antibody
NB600-1505-0.5ml

Unit Size: 0.5 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Publications: 1

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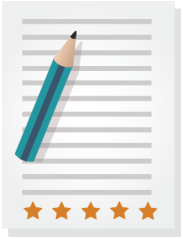
Updated 12/20/2023 v.20.1



NB600-1505-0.5ml

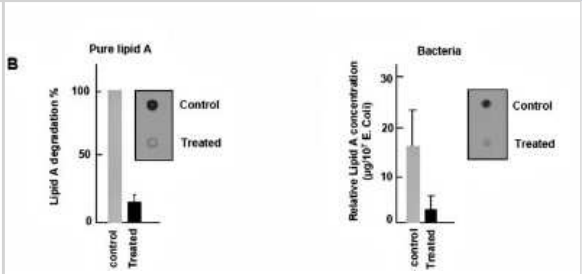
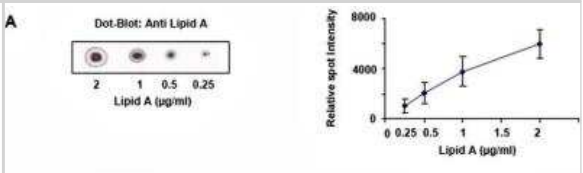
Lipid A Antibody

Product Information	
Unit Size	0.5 ml
Concentration	4.5 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.1% Sodium Azide
Isotype	IgG
Purity	Ion exchange chromatography
Buffer	10mM PBS (pH 7.2)

Product Description	
Host	Goat
Species	Bacteria
Reactivity Notes	Pseudomonas aeruginosa, Klebsiella pneumoniae, E. coli O157, Salmonella enteriditis, Enterobacter aerogenes, E. hermanii, Yersinia enterocolitica and Shigella sonnei.
Specificity/Sensitivity	Lipid A
Immunogen	Whole cell prep of Lipid A from E. coli O157.

Product Application Details	
Applications	Western Blot, Dot Blot, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Dot Blot
Application Notes	Purity is > 95% by sodium sulfate precipitation and ion-exchange chromatography. Use in Dot blot reported in scientific literature (PMID 25837580).

Images

Western Blot: Lipid A Antibody [NB600-1505] - Effect of nitrogen afterglow exposure on lipid. Dot blots of lipid A pure (left panel) and present in E. coli extracts (right picture); see experiment description in the Method section. The results are expressed as % of residual lipid A vs the vacuum-treated control. On the right panel, determination of the lipid A content in exposed bacteria. Dot blot results were analyzed with the dot calibration curve and relative quantity of bacteria lipid A estimated. Image collected and cropped by CiteAb from the following publication (https://dx.plos.org/10.1371/journal.pone.0116083) licensed under a CC-BY license.	
Dot Blot: Lipid A Antibody [NB600-1505] - Effect of nitrogen afterglow exposure on lipid. Dot blot binding assay: Increasing concentrations of lipid A were spotted on nitrocellulose membranes and blotted with an anti lipid A antibody. The relative intensity of each spot was quantified (Image J), allowing to build a dose-response calibration curve. Image collected and cropped by CiteAb from the following publication (https://dx.plos.org/10.1371/journal.pone.0116083) licensed under a CC-BY license.	

Publications

Zerrouki H, Rizzati V, Bernis C et al. Escherichia coli Morphological Changes and Lipid A Removal Induced by Reduced Pressure Nitrogen Afterglow Exposure PLoS One 2015-04-03 [PMID: 25837580] (Cytometric Bead Assay Standard, E. coli)

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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.

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