Datasheet for ABIN235748

anti-Lipopolysaccharides (LPS) antibody

1 Image 2 Publications

Go to Product page

Overview

Quantity:	1 mg
Target:	Lipopolysaccharides (LPS)
Reactivity:	Legionella pneumophila
Host:	Mouse
Clonality:	Monoclonal
Application:	Protein Assay (PrA), Dot Blot (DB)

Product Details

Immunogen:	Membrane fraction of Legionella pneumophila, strain Philadelphia 1
Clone:	2F10
Isotype:	IgG3
Specificity:	Reacts with LPS membrane of Legionella pneumophila. Does not cross-react with Legionella pneumophila serogroups 2, 6, 7, 10 and 11, Legionella bozemanii, Legionella lonbeachae, Legionella micdadei, Corynebacterium diphtheria, Pseudomonas fluorescens, Pseudomonas cepacia, Pseudomonas aerugenose, Bordetella pertusis, Leptospira interrogens (Australia, Pomona, Icterogemorrhagia), Toxoplasma gondii, Hemophilus, influenza (type B), Hemophilus ducreyi, Brucella abortus, Bacillus anthracis, Klebsiella pneumoniae, Listeria monocytogenes, Mycobacterium tuberculosis, Neisseria meningitides, Pasteurella multocida, Proteus vulgaris, Shigella sonnei, Staphyloccus faecalis, Streptococcus puogenes, Streptococcus pneumoniae, Yersinia pseudotuberculosis, Yersinia pestis EV76, Salmonella typhi, Escherichia coli K88 and Francisella tularensis 15. Cross-reaction with Legionella pneumophila serogroups 3 and 4 have not been tested.

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Product Details

Characteristics:	MAb to Legionella pneumophila LPS, Monoclonal antibody to Legionella pneumophila LPS Philadelphia 1 strain
Purification:	Protein G Sepharose Chromatography. Ascites
Purity:	> 95 % pure (SDS PAGE)

Target Details

Target:	Lipopolysaccharides (LPS)
Alternative Name:	LPS (Lipopolysaccharides (LPS) Products)
Target Type:	Chemical

Application Details

Application Notes:	Suitable for use in ELISA. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS, pH 7.4, 0.1 % Sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store at 2-8 °C.

Publications

Product cited in:	Jung, Herkt, Schulz, Bolte, Seidel, Scheller, Sittka-Stark, Bertrams, Schmeck: "Legionella pneumophila infection activates bystander cells differentially by bacterial and host cell vesicles. " in: **Scientific reports**, Vol. 7, Issue 1, pp. 6301, (2019) (PubMed). Jung, Stoiber, Herkt, Schulz, Bertrams, Schmeck: "Legionella pneumophila-Derived Outer

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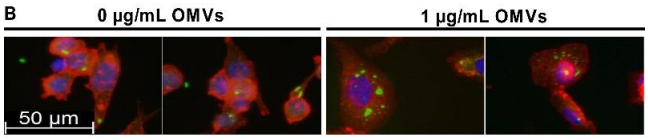
Publications

Membrane Vesicles Promote Bacterial Replication in Macrophages." in: **PLoS pathogens**, Vol. 12, Issue 4, pp. e1005592, (2017) (PubMed).

Images



Immunofluorescence

Image 1. THP-1 cells were pre-treated with OMVs (1 µg/mL) for 20 h or left untreated before infection with L. pneumophila (MOI 0.5) for 48 h. Cells were fixed and stained with an α-LPS antibody (green), phalloidin (red), and DAPI (blue). One representative out of three independent experiments is shown. Source: PMID27105429

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