

Datasheet for ABIN7566430

Recombinant anti-Lipopolysaccharides (LPS) antibody



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Overview

Quantity:	50 µg
Target:	Lipopolysaccharides (LPS)
Reactivity:	Legionella pneumophila
Host:	Human
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Conjugate:	This Lipopolysaccharides (LPS) antibody is un-conjugated
Application:	ELISA, Western Blotting (WB)

Product Details

Purpose:	anti-LPS (Legionella pneumophila), mAb (rec.) (PHK121-H2)
Immunogen:	Legionella pneumophila (Strain Corby). Selection on whole cell.
Clone:	PHK121-H2
Isotype:	IgG1
Characteristics:	Recombinant Antibody. Recognizes LPS from Legionella pneumophila. Applications: ELISA, WB. Clone: PHK121-H2. Isotype: Human IgG1. Formulation: Liquid. In PBS. Legionella are flagellated Gram-negative bacteria that belong to the class of gamma-proteobacteria. They are ubiquitously present in water habitats, including natural and man-made reservoirs where they infect and parasitize protozoa. In the host, a specialized compartment is formed, that enables replication of Legionella. When humans inhale aerosolized water contaminated with Legionella, alveolar macrophages can be infected, which may lead to a lifethreatening pneumonia called

Product Details

Legionnaires' disease. Due to the universal distribution of Legionella in water and their potential threat to human health, the Legionella concentration in water for human use must be strictly monitored, which is difficult since the standard detection still relies on lengthy cultivation and analysis of bacterial morphology. Specific and fast detection of *L. pneumophila* based on a highly stable antibody-based assay would be potentially useful.

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Purification:	Puified
Purity:	>95 % (SDS-PAGE)

Target Details

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

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	In PBS.

Handling

Handling Advice:	After opening, prepare aliquots and store at -20 °C. Avoid freeze/thaw cycles. Please handle under sterile conditions to avoid contamination.
Storage:	4 °C, -20 °C
Storage Comment:	Stable for at least 1 year after receipt when stored at -20°C. Stable for at least 1 week when stored at +4°C.