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## 12-4041: Legionella pneumophila LPS (serogroup 1) mouse mAb

Clone Name: AWB4CE4
Application: ELISA

Conjugate: Unconjugated
Format: Purified
Isotype: Mouse IgG1k

Immunogen Information: LPS conjugated to BSA

## **Description**

Legionella pneumonia, first discovered after an outbreak in Pennsylvania in 1976 at the American Legion convention, is a common cause of community-acquired pneumonia. Legionella are gram-negative bacteria found in natural aquatic environments, where they are intracellular parasites of protozoa. The serogroup 1 strains most commonly cause human infections. Serotyping can be performed by antibody subgrouping, pulsed-field gele electrophoresis, or DNA sequencing. The lipopolysaccharide, LPS or endotoxin, of serogroup 1 is a bacterial virulence factor that contains 10-75 residues of the unique sugar termed legionaminic acid. Lacking free hydroxyl groups renders this LPS hydrophobic, allowing the bacterium to adhere to target cell membranes including macrophages in the lung.

## **Product Info**

**Amount:** 20 μg / 100 μg

**Content:** 1X PBS, 0.02% NaN3, 50% Glycerol, 0.1% BSA

**Storage condition :** Store at -20°C. Avoid repeated freeze and thaw cycles.

## **Application Note**

 $1\tilde{A}$  $\parallel$  $\hat{A}$  $\mu$ g/mL - 0.001 $\tilde{A}$  $\parallel$  $\hat{A}$  $\mu$ g/mL. It is recommended that the reagent be titrated for optimal performance for each application. See product image legends for additional information.

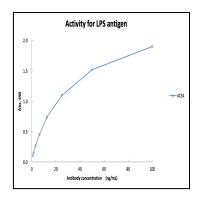


Fig-1: AWB4CE4 antibody shows specific binding to LPS antigen from Legionella pneumophila (serogroup 1).