

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	AWB4CE4
<b>Application :</b>	ELISA
<b>Conjugate :</b>	Unconjugated
<b>Format :</b>	Purified
<b>Isotype :</b>	Mouse IgG1k
<b>Immunogen Information :</b>	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

<b>Amount :</b>	20 µg / 100 µg
<b>Content :</b>	1X PBS, 0.02% NaN <sub>3</sub> , 50% Glycerol, 0.1% BSA
<b>Storage condition :</b>	Store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

1 µg/mL - 0.001 µg/mL. It is recommended that the reagent be titrated for optimal performance for each application. See product image legends for additional information.

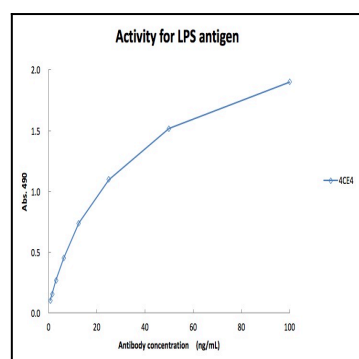


Fig-1: AWB4CE4 antibody shows specific binding to LPS antigen from Legionella pneumophila (serogroup 1).