

AM33364PU-N

Monoclonal Antibody to *Streptococcus pneumoniae* - Purified

Quantity:	1 mg
Concentration:	0.1 mg/ml (OD280nm, E0.1%=1.3)
Background:	<p><i>Streptococcus pneumoniae</i> are Gram positive diplococci, alpha hemolytic aerotolerant anaerobes. <i>S. pneumoniae</i> is a significant human pathogen, being recognized as a major cause of pneumonia in the late 19th century, and is currently the subject of many humoral immunity studies.</p> <p><i>S. pneumoniae</i> is a transient member of the normal flora, colonizing the nasopharynx of 40% of healthy adults and children with no adverse effects. There are more than 90 serotypes: serotypes 6, 14, 18, 19, and 23 are the most prevalent accounting for 60-80% of infections depending on the area of the world. Pneumococcal infection accounts for more deaths than any other vaccine preventable bacterial disease. <i>S. pneumoniae</i> can express several different virulence factors which contribute to some of the clinical manifestations seen during infection.</p>
Host / Isotype:	Mouse / IgG3
Recommended Isotype Controls:	AM03097PU-N
Clone:	B1399M
Immunogen:	Purified <i>Strep. pneumoniae</i> common cell wall polysaccharide.
Format:	<p>State: Liquid purified IgG fraction (> 90% pure)</p> <p>Purification: Protein A Chromatography</p> <p>Buffer System: 0.01 M PBS, pH 7.2</p> <p>Preservatives: 0.09% Sodium Azide</p> <p>Stabilizers: None</p>
Applications:	<p>ELISA.</p> <p>Immunofluorescence.</p> <p>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Specificity:	This Monoclonal B1399M antibody is reactive with the <i>Streptococcus pneumoniae</i> common C-polysaccharide, phosphorylcholine epitope.
Storage:	<p>Upon receipt, store undiluted (in aliquots) at -20°C.</p> <p>Avoid repeated freezing and thawing.</p> <p>Shelf life: one year from despatch.</p>