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## AM33364PU-N Monoclonal Antibody to Streptococcus pneumoniae - Purified

Quantity:	1 mg
Concentration:	0.1 mg/ml (OD280nm, E0.1%=1.3)
Background:	<ul> <li>Streptococcus pneumoniae are Gram positive diplococci , alpha hemolytic aerotolerant anaerobes. S. pneumoniae 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.</li> <li>S. pneumoniae 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.</li> <li>S. pneumoniae can express several different virulence factors which contribute to some of the clinical manifestations seen during infection.</li> </ul>
Host / Isotype:	Mouse / IgG3
Recommended Isotype Controls:	AM03097PU-N
Clone:	B1399M
Immunogen:	Purified Strep. pneumoniae common cell wall polysaccharide.
Format:	<ul> <li>State: Liquid purified IgG fraction (&gt; 90% pure)</li> <li>Purification: Protein A Chromatography</li> <li>Buffer System: 0.01 M PBS, pH 7.2</li> <li>Preservatives: 0.09% Sodium Azide</li> <li>Stabilizers: None</li> </ul>
Applications:	ELISA. Immunofluorescence. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This Monoclonal B1399M antibody is reactive with the <i>Streptococcus pneumoniae</i> common C-polysaccharide, phosphorylcholine epitope.
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.