

Antibody Datasheet

Product Name:	Mouse anti <i>Streptococcus pneumoniae</i>
Clone number:	SN4
Isotype:	Mouse IgG ₃
Product code:	MAB12156-100
Batch Number:	
Amount:	0.1mg
Concentration:	1 mg/ml
Buffer:	Phosphate Buffered Saline pH7.4
Preservative:	0.09% Sodium Azide (NaN ₃)
Purification:	The antibody was purified by affinity chromatography on protein A
Specificity:	This antibody is specific for <i>Streptococcus pneumoniae</i> detection. The antibody does not cross react with <i>Legionella pneumophila</i> .
Applications:	ELISA

Antigen background: *Streptococcus pneumoniae* (*S. pneumoniae*) is a lancet-shaped, gram-positive, facultative anaerobic bacterium. Reports suggest that there are approximately 90 distinct serotypes of *Streptococcus pneumoniae* of which a small number cause significant global pathological disease ([WHO](#)).

In humans, *S. pneumoniae* primarily colonizes the nasopharynx and transmission occurs from person-to-person via respiratory secretions from patients infected *S. pneumoniae*, and healthy carriers. In susceptible individuals, the bacteria can spread to the lower respiratory tract, the inner ear or sinuses causing different types of



illness referred to as pneumococcal disease. Pneumococcal disease includes pneumonia, sepsis, acute otitis media and meningitis. Symptoms of pneumococcal pneumonia include fever, chills, cough, malaise, difficulty breathing and chest pain. The symptoms of bacterial meningitis include headache, lethargy, neck stiffness, vomiting, fever, photophobia and coma ([CDC](#)).

Worldwide, *S. pneumoniae* is the major cause of pneumonia, sepsis, and meningitis and is the leading cause of community acquired pneumonia in young children and the elderly.

References:

World Health Organization: Pneumococcal Disease

Centers for Disease Control and Prevention: Pneumococcal Disease

Storage:

Store at +4°C for up to three months, or at -20°C for longer.
The Antibody is shipped at ambient temperature.
Avoid repeated freeze/thaw cycles.

