

## Product datasheet for **AP00876PU-N**

### Streptococcus pneumoniae Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF
Recommended Dilution:	ELISA. IFA. It is also suitable for Conjugation purposes.
Reactivity:	Streptococcus pneumoniae
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Whole cell blend of multiple serotypes.
Specificity:	This antibody recognizes types 3, 4, 6, 7, 9, 14, 18, 19 and 23 surface antigens of <i>S. pneumoniae</i> . Antiserum is not absorbed and may react with related microorganisms.
Formulation:	0.01M PBS, pH 7.2 containing 0,09% Sodium Azide as preservative without stabilizing proteins State: Purified State: Liquid purified Ig fraction (> 95% pure)
Concentration:	lot specific
Purification:	Protein A Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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**Background:**

*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.

*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.

*S. pneumoniae* can express several different virulence factors which contribute to some of the clinical manifestations seen during infection.