

BP2017**Polyclonal Antibody to Streptococcus pneumoniae - Azide Free****Quantity:**

1 ml

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.

Host:

Rabbit

Immunogen:

Extract containing predominately species specific protein

Format:**State:** Liquid neat serum without preservatives and stabilizers**Applications:**

Sandwich ELISA as either capture or detection antibody for direct detection of antigen.

Latex agglutination.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

Reacts against all Strep pneumoniae serotypes.

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.

Shelf life: one year from despatch.