

Product datasheet

Anti-Streptococcus pneumoniae type 1 antibody ab80478

Overview

Product name	Anti-Streptococcus pneumoniae type 1 antibody
Description	Rabbit polyclonal to Streptococcus pneumoniae type 1
Host species	Rabbit
Specificity	No cross reactivity with other serotypes observed.
Tested applications	Suitable for: Agglutination
Species reactivity	Reacts with Streptococcus pneumoniae type 1
Immunogen	Tissue/ cell preparation of Streptococcus pneumoniae type 1 (heat inactivated).
Positive control	Antigenic suspension.
General notes	Reagents should be allowed to stand at 15°C - 25°C for at least 30 minutes prior to use.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.08% Sodium Azide Constituents: Whole serum
Purity	Whole antiserum
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab80478** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
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Application	Abreviews	Notes
Agglutination		Use at an assay dependent concentration. See attached protocol.

Target

Relevance

Bronchial pneumonia is most prevalent in infants, young children and aged adults. It is caused by various bacteria, including *Streptococcus pneumoniae*. *Streptococcus pneumoniae* are Gram positive, lancet shaped cocci (elongated cocci with a slightly pointed outer curvature). Usually they are seen as pairs of cocci (diplococci), but they may also occur singly and in short chains. *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.

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