

Datasheet: 0300-0220

Description:	RABBIT ANTI STREPTOCOCCUS PNEUMONIAE:FITC
Specificity:	STREPTOCOCCUS PNEUMONIAE
Format:	FITC
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	1 ml

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Immunofluorescence	▪			1/10 - 1/50

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

Target Species	Bacterial						
Product Form	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid						
Max Ex/Em	<table border="1"> <thead> <tr> <th>Fluorophore</th> <th>Excitation Max (nm)</th> <th>Emission Max (nm)</th> </tr> </thead> <tbody> <tr> <td>FITC</td> <td>490</td> <td>525</td> </tr> </tbody> </table>	Fluorophore	Excitation Max (nm)	Emission Max (nm)	FITC	490	525
Fluorophore	Excitation Max (nm)	Emission Max (nm)					
FITC	490	525					
Buffer Solution	Phosphate buffered saline						
Preservative Stabilisers	0.1% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin						
Approx. Protein Concentrations	IgG concentration 5.0 mg/ml						
Immunogen	Whole cell blend of numerous serotypes.						
RRID	AB_616824						
Specificity	Rabbit anti <i>Streptococcus pneumoniae</i> antibody recognizes <i>Streptococcus</i>						

pneumoniae and reacts with types 3, 4, 6, 7, 9, 14, 18, 19 and 23.

S. pneumoniae is a non-motile gram-positive bacteria that is found in the human upper respiratory tract and often as diplococci (pairs of cocci). Rabbit anti *Streptococcus pneumoniae* antibody is not absorbed and may react with related microorganisms.

References

1. Doyle, C.R. & Pirofski, L.A. (2016) Reduction of *Streptococcus pneumoniae* Colonization and Dissemination by a Nonopsonic Capsular Polysaccharide Antibody. [MBio. 7 \(1\): e02260-15.](#)

Storage

Store at -20°C only.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10041 available at: <https://www.bio-rad-antibodies.com/SDS/0300-0220>
10041

Regulatory

For research purposes only

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

'M419987:230706'

Printed on 18 Jan 2024

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