

Datasheet: 0300-0209

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| Description: | RABBIT ANTI STREPTOCOCCUS A |
| Specificity: | STREPTOCOCCUS A |
| Format: | Purified |
| 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 |
|-------|-----|----|----------------|--------------------|
| ELISA | ■ | | | |

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.

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| Target Species | Bacterial |
| Product Form | Purified Ig - liquid |
| Preparation | Purified Ig prepared by affinity chromatography |
| Buffer Solution | Phosphate buffered saline |
| Preservative Stabilisers | 0.1% Sodium Azide (NaN ₃) |
| Approx. Protein Concentrations | IgG concentration 1.0 mg/ml |
| Immunogen | Streptococci, group A |

Specificity

Rabbit anti *Streptococcus A* antibody recognizes a type specific carbohydrate of group A *Streptococcus* (GAS) and does not react with other streptococci groups.

GAS are non-motile, non-spore forming bacteria that exist in pairs or as short chains. They are responsible for most cases of streptococcal illnesses including sore throat (strep throat), scarlet fever and necrotizing fasciitis. The individual organisms are spheric in shape with a diameter of 0.6-1 μm. They produce 2 major classes of protein antigens: M antigens and T antigens of which the M protein is the major virulence factor. *S. pyogenes* is the only member of the Lancefield Group A *Streptococci*.

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| References | 1. Blom, A.M. <i>et al.</i> (2017) Factor H-IgG Chimeric Proteins as a Therapeutic Approach against the Gram-Positive Bacterial Pathogen <i>Streptococcus pyogenes</i> . J Immunol. Oct 30 [Epub ahead of print] . |
| Storage | Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. |
| Shelf Life | 18 months from date of despatch. |
| Health And Safety Information | Material Safety Datasheet documentation available at: Material Safety Datasheet Documentation #10303 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10303.pdf |
| Regulatory | For research purposes only |

Related Products

Recommended Secondary Antibodies

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| Sheep Anti Rabbit IgG (STAR34...) | FITC |
| Sheep Anti Rabbit IgG (STAR35...) | RPE |
| Goat Anti Rabbit IgG (H/L) (STAR124...) | HRP |
| Sheep Anti Rabbit IgG (STAR54...) | HRP |
| Goat Anti Rabbit IgG (Fc) (STAR121...) | Biotin , FITC , HRP |
| Sheep Anti Rabbit IgG (2AB02...) | Biotin |
| Sheep Anti Rabbit IgG (STAR36...) | DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800 |

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|----------------------------------|---|------------------|---|---------------|---|
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'M310815:171106'

Printed on 06 Nov 2017