Datasheet: 8435-0407

Description:	MOUSE ANTI STREPTOCOCCUS A
Specificity:	STREPTOCOCCUS A
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	HSA12-310.2 (5A1)
Isotype:	IgG2a
Quantity:	1 mg

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	▪			
Immunofluorescence	▪			
Radial Immunodiffusion	▪			

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 - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from ascites
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	<0.1% Sodium Azide (NaN_3)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	UV inactivated *Streptococcus pyrogenes*, group A organisms.
RRID	AB_619259

Specificity	**Mouse anti *Streptococcus* A antibody, clone HSA12-310.2** reacts with group A Streptococcus (GAS). It does not react with Streptococcus B, C, D, E, F or G; *Corynebacterium diptheriae*, *Micrococcus mucilagines*, *Staphylococcus aureus*, *Streptococcus pneumoniae* or *Streptococcus salivarious*. 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 thoat), scarlet fever and necrotizing fasciitis. The individual organisms are spheric in shape with a diameter of 0.6-1 mm. They produce 2 major classes of protein antigens: M antigens and T antigens of which the M protein is the major virulence factor.
References	1. Humphries, J. *et al*. (1996) Search for infective agents in undifferentiated oligoarthritis in Papua NewGuinea. Br J Rheumatol. 1996 35: 492-3.
Storage	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/8435-0407 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos., HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC, HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos., DyLight®488, DyLight®550, DyLight®650, DyLight®680, DyLight®800, FITC, HRP

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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
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