

Datasheet: 6600-5906

Description:	RABBIT ANTI NEISSERIA MENINGITIDIS
Specificity:	NEISSERIA MENINGITIDIS
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	▪			
Immunofluorescence	▪			

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
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.1% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 4 mg/ml
Immunogen	Whole cell preparation of <i>N. meningitidis</i> types A, B and C.

Specificity

Rabbit anti *Neisseria meningitidis* antibody reacts with *Neisseria meningitidis* serogroups A, B and C recognizing multiple antigens. Other serogroups have not been tested.

N. meningitidis is a gram-negative bacteria that is a causative agent of meningitis. There are 13 known significant serogroups, classified according to the structure of their polysaccharide capsule. Serogroups, A, B, C, D, X, Y, Z, 29E and W135 are responsible for virtually all cases of the human disease.

The carbohydrate component of the capsular membrane induces a T cell independent immune response, so neither long term immunity by memory cell formation nor antibody affinity maturation

is observed. Rather than being engulfed and processed by an antigen presenting cell, the carbohydrate capsule interacts directly with B cells. This interaction causes production of serogroup specific antibodies, primarily IgM. IgG is also produced with an IgG1 response predominating in children and an IgG2 response predominating in adults.

References	1. Connor, D.O. <i>et al.</i> (2017) Epitope determination of immunogenic proteins of <i>Neisseria gonorrhoeae</i> . PLoS One. 12 (7): e0180962.
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

Sheep Anti Rabbit IgG (2AB02...)	Biotin
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 (STAR36...)	DyLight®488 , DyLight®549 , DyLight®649 , DyLight®680 , DyLight®800

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