

Datasheet: 6600-5906

**BATCH NUMBER 158003**

<b>Description:</b>	RABBIT ANTI NEISSERIA MENINGITIDIS
<b>Specificity:</b>	NEISSERIA MENINGITIDIS
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Bacterial
<b>Product Form</b>	Purified IgG - liquid
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.1% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 4 mg/ml
<b>Immunogen</b>	Whole cell preparation of <i>N. meningitidis</i> types A, B and C.
<b>RRID</b>	AB_620697

### 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.

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**References** 1. Connor, D.O. *et al.* (2017) Epitope determination of immunogenic proteins of *Neisseria gonorrhoeae*. [PLoS One. 12 \(7\): e0180962.](https://doi.org/10.1371/journal.pone.0180962)

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**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.

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10040 available at:  
<https://www.bio-rad-antibodies.com/SDS/6600-5906>  
10040

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

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)  
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