

Datasheet: 9520-0304

Description:	RABBIT ANTI VANCOMYCIN
Specificity:	VANCOMYCIN
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	1 ml

Product Details

RRID AB_619591

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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Western Blotting	▪			

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 Chemical

Product Form Purified IgG - liquid.

Preparation Purified IgG prepared by affinity chromatography on Protein G

Buffer Solution Phosphate buffered saline

Preservative Stabilisers 0.09% Sodium Azide (NaN₃)

Approx. Protein Concentrations IgG concentration 5.0mg/ml

Immunogen Vancomycin conjugated to Keyhole limpet Haemocyanin plus thyroglobulin.

Specificity **Rabbit anti Vancomycin antibody** recognizes vancomycin, a glycopeptide antibiotic derived from the actinobacterium *Amycolatopsis orientalis* that acts by inhibiting cell wall biosynthesis and altering the permeability of the bacterial cell membrane ([Cheung & DiPiro 1986](#)).

Vancomycin is regarded as an antibiotic of last resort as in high doses it can be toxic to the ears ([Lackner 1984](#)) and kidneys ([Hanrahan et al.2015](#)), whilst in low doses hypersensitivity reactions may occur ([Blumenthal et al. 2015](#)).

Rabbit anti Vancomycin antibody has been used for the development of a competitive ELISA for the detection of vancomycin in protein containing samples ([Oderkerken et al. 2015](#))

References 1. Odekerken, J.C.E. *et al.* (2015) ELISA-based detection of gentamicin and vancomycin in protein-containing samples [SpringerPlus. 4 \(1\): 614.](#)

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.

Guarantee 18 months from date of despatch.

Health And Safety Information Material Safety Datasheet documentation #10040 available at:
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

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

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: 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

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

'M345093:190125'

Printed on 15 Mar 2019