

Datasheet: 8750-2059G

Description:	GOAT ANTI CLOSTRIDIUM TETANI TETANUS EXOTOXIN
Specificity:	TETANUS EXOTOXIN
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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			1ug/ml
Western Blotting	▪			1/100 - 1/500

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 appropriate negative/positive controls.

Target Species	Bacterial
Product Form	Purified IgG - liquid
Antiserum Preparation	Antisera to C.Tetani Exotoxin were raised by repeated immunisations of goat with highly purified antigen. Purified IgG prepared by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 5.0mg/ml
Immunogen	Tetanus Exotoxin.

External Database**Links****UniProt:**[P04958](#)[Related reagents](#)**RRID**

AB_808753

Specificity

Goat anti tetanus exotoxin antibody recognizes tetanus toxin, also known as tetoxylisin, produced by the soil micro-organism *Clostridium tetani*. Infection by *Clostridium tetani*. results in its systemic growth and secretion of tetanus toxin which causes muscle spasms by inhibiting neurotransmitter release.

Goat anti tetanus exotoxin antibody also reacts with the C-fragment (~50 kDa carboxy terminal residues 865-1315) of tetanus toxin ([Emsley et al. 2000](#)).

References

1. Paillot, R.*et al.* (2015) ISCOM-based equine influenza vaccine: Duration of immunity and randomised clinical trials to assess an accelerated schedule of immunisation and efficacy [Trials in Vaccinology. 4: 61-70.](#)

Further Reading

1. Cook, T.M. *et al.* (2001) Tetanus: a review of the literature. [Br J Anaesth. 87 \(3\): 477-87.](#)

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:
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [FITC](#), [HRP](#)

North & South Tel: +1 800 265 7376**America** Fax: +1 919 878 3751Email: 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

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

'M381609:210512'

Printed on 07 Jan 2022