

Datasheet: 8750-2059G

**BATCH NUMBER 166871**

<b>Description:</b>	GOAT ANTI CLOSTRIDIUM TETANI TETANUS EXOTOXIN
<b>Specificity:</b>	TETANUS EXOTOXIN
<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
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.

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

Immunogen Tetanus Exotoxin.

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**External Database**

**Links**

**UniProt:**

[P04958](#)

[Related reagents](#)

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**RRID**

AB\_808753

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**Specificity**

**Goat anti tetanus exotoxin antibody** recognizes tetanus toxin, also known as tentoxylysin, 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](#)).

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**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.](#)

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**Further Reading**

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

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**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.

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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/8750-2059G>  
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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) [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](http://bio-rad-antibodies.com/datasheets)

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