

Datasheet: 3710-0956

Description:	GOAT ANTI DIPHTHERIA TOXIN
Specificity:	DIPHTHERIA TOXIN
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	▪			

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 5.0 mg/ml
Immunogen	Purified diphtheria toxoid
External Database Links	UniProt: Q6NK15 Related reagents
RRID	AB_620528

Specificity

Goat anti diphtheria toxin antibody reacts with the diphtheria toxin/toxoid.

Diphtheria toxin is an exotoxin secreted by various strains of *Corynebacterium diphtheriae* that is the cause of diphtheria. The active toxin is a single chain of 535 amino acids composed of 3 distinct structural/functional domains; and N-Terminal ADP-ribosyltransferase (catalytic domain); a region which facilitates the delivery of the catalytic domain across the cell membrane (transmembrane domain) and the eukaryotic cell receptor binding domain.

Goat anti diphtheria toxin antibody also recognizes CRM₁₉₇ ([Conde et al.2021](#)), a non-toxic mutant form of diphtheria toxin with an amino acid substitution at glycine-52 to glutamic acid ([Giannini et al. 1984](#)).

References

1. Conde, E. et al. (2021) Dual vaccination against IL-4 and IL-13 protects against chronic allergic asthma in mice. [Nat Commun. 12 \(1\): 2574.](#)

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: <https://www.bio-rad-antibodies.com/SDS/3710-0956>
10040

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 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

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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