

Datasheet: 3710-0970

BATCH NUMBER 164698

Description:	GOAT ANTI DIPHTHERIA TOXIN:HRP
Specificity:	DIPHTHERIA TOXIN
Format:	HRP
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
Immunohistology - Frozen	▪			1/20 - 1/200
Immunohistology - Paraffin			▪	
ELISA	▪			1/200 - 1/1000
Western Blotting	▪			1/20 - 1/200

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 conjugated to Horseradish Peroxidase (HRP) - liquid
Buffer Solution	Phosphate buffered saline
Preservative	0.002% Thiomersal
Stabilisers	1% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Purified diphtheria toxoid
External Database Links	UniProt:

RRID	AB_619917
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Specificity	Goat anti diphtheria toxin antibody reacts with the diphtheria toxin/toxoid. Diphtheria toxin is an exotoxin secreted by various strains of <i>Corynebacterium diphtheriae</i> 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 CRM ₁₉₇ (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).
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References	1. Conde, E. <i>et al.</i> (2021) Dual vaccination against IL-4 and IL-13 protects against chronic allergic asthma in mice. Nat Commun. 12 (1): 2574.
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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 #10095 available at: https://www.bio-rad-antibodies.com/SDS/3710-0970 10095
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Regulatory	For research purposes only
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Related Products

Recommended Useful Reagents

[AbGUARD® HRP STABILIZER PLUS \(BUF052A\)](#)

[AbGUARD® HRP STABILIZER PLUS \(BUF052B\)](#)

[AbGUARD® HRP STABILIZER PLUS \(BUF052C\)](#)

[TMB CORE \(BUF056A\)](#)

[TMB CORE+ \(BUF062A\)](#)

[TMB SIGNAL+ \(BUF054A\)](#)

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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
'M381425:210512'

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