

Datasheet: OBT0986B

BATCH NUMBER 165100

Description:	GOAT ANTI ESCHERICHIA COLI:Biotin
Specificity:	ESCHERICHIA COLI
Format:	Biotin
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 appropriate negative/positive controls.

Target Species	Bacterial
Product Form	Purified IgG conjugated to Biotin - liquid
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.1% Sodium azide
Approx. Protein Concentrations	Protein Concentration 5.0 mg/ml
Immunogen	A mixture of <i>Escherichia coli</i> serotypes.
RRID	AB_616737

Specificity

Goat anti *Escherichia coli* antibody recognizes many O and K antigenic serotypes of *Escherichia coli*. Goat anti *Escherichia coli* antibody is unabsorbed and cross reacts with related Enterobacteriaceae.

References

1. Möller, J. *et al.* (2013) Macrophages lift off surface-bound bacteria using a filopodium-lamellipodium hook-and-shovel mechanism. [Sci Rep. 3: 2884.](#)
2. Raisch, J. *et al.* (2015) Intracellular colon cancer-associated *Escherichia coli* promote protumoral activities of human macrophages by inducing sustained COX-2 expression. [Lab Invest. 95 \(3\): 296-307.](#)
3. Lühje P (2013) Estrogen supports urothelial defense mechanisms. [Sci Transl Med. 5: 190ra80.](#)
4. Agus A *et al.* (2016) Western diet induces a shift in microbiota composition enhancing susceptibility to Adherent-Invasive *E. coli* infection and intestinal inflammation. [Sci Rep. 6: 19032.](#)
5. Gimier, E. *et al.* (2020) Methyl-donor supplementation prevents intestinal colonization by Adherent-Invasive *E. coli* in a mouse model of Crohn's disease. [Sci Rep. 10 \(1\): 12922.](#)
6. Mohanty, S. *et al.* (2022) Diabetes downregulates the antimicrobial peptide psoriasin and increases *E. coli* burden in the urinary bladder. [Nat Commun. 13 \(1\): 4983.](#)
7. Mohanty, S. *et al.* (2022) HIF-1 mediated activation of antimicrobial peptide LL-37 in type 2 diabetic patients. [J Mol Med \(Berl\). 100 \(1\): 101-13.](#)

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/OBT0986B>
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Regulatory

For research purposes only

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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