

## Datasheet: OBT0986B

<b>Description:</b>	GOAT ANTI ESCHERICHIA COLI:Biotin
<b>Specificity:</b>	ESCHERICHIA COLI
<b>Format:</b>	Biotin
<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
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.

<b>Target Species</b>	Bacterial
<b>Product Form</b>	Purified IgG conjugated to Biotin - liquid
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.1% Sodium azide
<b>Approx. Protein Concentrations</b>	Protein Concentration 5.0 mg/ml
<b>Immunogen</b>	A mixture of <i>Escherichia coli</i> serotypes.
<b>RRID</b>	AB_616737
<b>Specificity</b>	<b>Goat anti <i>Escherichia coli</i> antibody</b> recognizes many O and K antigenic serotypes of <i>Escherichia coli</i> . Goat anti <i>Escherichia coli</i> 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.](#)

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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/OBT0986B>  
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## Regulatory

For research purposes only

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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](https://www.bio-rad-antibodies.com/datasheets)

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