

Datasheet: OBT0986B

**BATCH NUMBER 153796**

<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>	4.0 mg/ml
<b>Immunogen</b>	A mixture of <i>Escherichia coli</i> serotypes.
<b>RRID</b>	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.

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**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.](#)

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**Storage**

Store at +4°C or at -20°C if preferred.  
Storage in frost-free freezers is not recommended.  
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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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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