Datasheet: OBT0986

Description:	GOAT ANTI ESCHERICHIA COLI
Specificity:	ESCHERICHIA COLI
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
Immunofluorescence	▪			

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 - liquid
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.1% Sodium azide
Approx. Protein Concentrations	IgG concentration 5.0 mg/ml
Immunogen	A mixture of *Escherichia coli* serotypes.
RRID	AB_618817
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. Lüthje 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/OBT0986 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Goat IgG (Fc) (STAR122...) FITC, HRP

North & South America	Tel: +1 800 265 7376 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

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