Datasheet: 4329-4911

BATCH NUMBER 156853

Description:	RABBIT 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 the 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 (NaN_3)
Approx. Protein Concentrations	4.0 mg/ml
Immunogen	A mixture of all antigenic serotypes.
RRID	AB_616741
Specificity	**Rabbit anti *Escherichia coli* antibody** recognizes *Escherichia coli* and is broadly reactive with all somatic and capsular (O and K) antigenic serotypes. The somatic O antigens are composed of lipopolysaccharide complexes which form part of the cell wall

structure of *E. coli* whilst the capsular K antigens are mainly composed of acidic polysaccharide.

This antibody will remove *E.coli* proteins from recombinant preparations. Rabbit anti *Escherichia coli* antibody has not been absorbed and may cross-react with related enterobacteriaceae. Rabbit anti *Escherichia coli* antibody has been used in ELISA with serotypes O157:H7, O20, O125, 055, 0111 and K12.

References

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10. Bhokisham, N. *et al.* (2016) Modular Construction of Multi-Subunit Protein Complexes using Engineered Tags and Microbial Transglutaminase. Metab Eng. May 26. pii: S1096-7176(16)30014-3. [Epub ahead of print]
11. Kovář, D. *et al.* (2014) Detection of aerosolized biological agents using the piezoelectric immunosensor. Anal Chem. 86 (17): 8680-6.
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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.

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/4329-4911 10040
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

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