**Datasheet: 4329-4906**

<table>
<thead>
<tr>
<th>Description:</th>
<th>RABBIT ANTI ESCHERICHIA COLI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specificity:</td>
<td>ESCHERICHIA COLI</td>
</tr>
<tr>
<td>Format:</td>
<td>Purified</td>
</tr>
<tr>
<td>Product Type:</td>
<td>Polyclonal Antibody</td>
</tr>
<tr>
<td>Isotype:</td>
<td>Polyclonal IgG</td>
</tr>
<tr>
<td>Quantity:</td>
<td>1 ml</td>
</tr>
</tbody>
</table>

**Product Details**

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).

<table>
<thead>
<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ELISA</td>
<td></td>
<td></td>
<td></td>
<td>1/2000</td>
</tr>
<tr>
<td>Western Blotting</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Target Species</th>
<th>Bacterial</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Form</td>
<td>Purified IgG - liquid</td>
</tr>
<tr>
<td>Buffer Solution</td>
<td>Phosphate buffered saline</td>
</tr>
<tr>
<td>Preservative Stabilisers</td>
<td>0.1% Sodium Azide (NaN₃)</td>
</tr>
<tr>
<td>Approx. Protein Concentrations</td>
<td>IgG concentration 5.0 mg/ml</td>
</tr>
<tr>
<td>Immunogen</td>
<td>A mixture of all antigenic serotypes.</td>
</tr>
<tr>
<td>RRID</td>
<td>AB_619412</td>
</tr>
</tbody>
</table>

**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

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/4329-4906

10040

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)  FITC
Goat Anti Rabbit IgG (H/L) (STAR124...)  HRP
Sheep Anti Rabbit IgG (STAR35...)  RPE
Goat Anti Rabbit IgG (Fc) (STAR121...)  Biotin, 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

'M414069:221130'

Printed on 12 Aug 2023

© 2023 Bio-Rad Laboratories Inc  |  Legal  |  Imprint