

Datasheet: 8209-4006 **BATCH NUMBER 164667** 

Description:	RABBIT ANTI SALMONELLA GROUP ANTIGEN
Specificity:	SALMONELLA GROUP ANTIGEN
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 <a href="www.bio-rad-antibodies.com/protocols">www.bio-rad-antibodies.com/protocols</a>.

	Yes	No	Not Determined	Suggested Dilution
ELISA			•	
Western Blotting			•	
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 the appropriate negative/positive controls.

Target Species	Bacterial	
Product Form	Purified IgG - liquid	
Buffer Solution	Phosphate buffered saline	
Preservative Stabilisers	0.1% Sodium Azide (NaN <sub>3</sub> )	
Approx. Protein Concentrations	IgG concentration 5.0 mg/ml	
Immunogen	Mixture of Salmonella enteriditis, S. typhimurium and S. heider	lburg.
RRID	AB_619545	
Specificity	Rabbit anti Salmonella group antigen antibody recognizes	a <i>Salmonella</i> group antigen.

Salmonella is a genus of the family Enterobacteriaceae populated by a variety of Gram negative rod-shaped bacteria, many of which are pathogenic and cause a range of diseases in humans. Salmonellae possess 3 major surface antigens: the H or flagellar antigen (phase 1 and 2), the O or somatic antigen (part of the LPS moiety) and the Vi or capsular antigen (referred to as K in other Enterobacteriaceae). Salmonellae also possess the LPS endotoxin characteristic of Gram negative bacteria. This LPS is composed of an O polysaccharide (O antigen) an R core and the endotoxic inner Lipid A.

Rabbit anti *Salmonella* group antigen antibody is polyvalent for *Salmonella* O and H antigens.

Rabbit anti *Salmonella* group antigen antibody is unabsorbed and may cross react with related *Enterobacteriaceae*.

#### References

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- 10. Volpe, G. *et al.* (2016) Development and evaluation of an ELIME assay to reveal the presence of Salmonella in irrigation water: Comparison with Real-Time PCR and the Standard Culture Method. Talanta. 149: 202-10.
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Nanozyme-Linked Immunosorbent Assay. Anal Chem. 90 (3): 2348-54.

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- 16. Kim, D.K. et al. (2014) Inverse agonist of estrogen-related receptor y controls Salmonella typhimurium infection by modulating host iron homeostasis. Nat Med. 20 (4): 419-24.
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- 18. Angelopoulou, M. et al. (2021) Rapid Detection of Salmonella typhimurium in Drinking Water by a White Light Reflectance Spectroscopy Immunosensor. Sensors (Basel). 21 (8): 2683.
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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.

Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/8209-4006">https://www.bio-rad-antibodies.com/SDS/8209-4006</a> 10040
Regulatory	For research purposes only

## Related Products

### **Recommended Secondary Antibodies**

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

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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 'M414078:221130'

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