

**RABBIT ANTI SALMONELLA GROUP ANTIGEN**
**#Cat: NB-47-00753-1ML**
**Size: 1ML**

<b>Description:</b>	RABBIT ANTI SALMONELLA GROUP ANTIGEN
<b>Specificity:</b>	SALMONELLA GROUP ANTIGEN
<b>Format:</b>	Purified
<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.neo-biotech.com](http://www.neo-biotech.com).

	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.

<b>Target Species</b>	Bacterial
<b>Product Form</b>	Purified IgG - liquid
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.1% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 5.0 mg/ml
<b>Immunogen</b>	Mixture of Salmonella enteritidis, S. typhimurium and S. heidelberg.
<b>RRID</b>	AB_619545

## Specificity

**Rabbit anti *Salmonella* group antigen antibody** recognizes a *Salmonella* 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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18. Tsougeni, K. *et al.* (2019) A modular integrated lab-on-a-chip platform for fast and highly efficient sample preparation for foodborne pathogen screening [Sensors and Actuators B: Chemical. 288: 171-9.](#)
19. 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.](#)
20. Makhneva, E. *et al.* (2018) Cyclopropylamine plasma polymer surfaces for label-free SPR and QCM immunosensing of *Salmonella* [Sensors and Actuators B: Chemical. 276: 447-455.](#)
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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: [www.neo-biotech.com](http://www.neo-biotech.com).  
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## Regulatory

For research purposes only