

Datasheet: MCA2831

**BATCH NUMBER 155326**

<b>Description:</b>	MOUSE ANTI SALMONELLA PARATYPHI A LPS GROUP A 0-2 ANTIGEN
<b>Specificity:</b>	SALMONELLA PARATYPHI A LPS GROUP A 0-2 ANTIGEN
<b>Other names:</b>	O-ANTIGEN
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	10B10G
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.2 mg

## 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Western Blotting			▪	
Immunofluorescence	▪			
Immunoblotting	▪			

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>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative</b>	0.09% Sodium Azide (NaN <sub>3</sub> )

## Stabilisers

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**Approx. Protein Concentrations** IgG concentration 1.0mg/ml

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**Immunogen** Heat inactivated cells of *Salmonella paratyphi A*.

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**RRID** AB\_1125359

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**Fusion Partners** Spleen cells from immunised Balb/c mice were fused with cells of Sp2/0 the myeloma cells.

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**Specificity** **Mouse anti Salmonella paratyphi A LPS Group A 0-2 Antigen antibody, clone 10B10G** recognizes the O antigen of *Salmonella enterica*, serovar paratyphi A (also known as *S. paratyphi*). The O antigen is a polysaccharide that extends from the core oligosaccharide, which itself is attached to lipid A. These three components together form the lipopolysaccharide (LPS), a major component of the outer membrane of Gram-negative bacteria. The LPS is an endotoxin and induces a strong immune response from the host. Its mutation or removal results in the death of the bacterial cell and as such is a prime target for antimicrobial drugs. The O antigen is the outermost component of the LPS and functions as a receptor for bacteriophages. It is also important in the immune response of the host. Considerable diversity is seen within *Salmonella* O antigens.

*Salmonella enterica*, serovar paratyphi A belongs to serogroup A of Salmonella and causes paratyphoid fever, which is similar to typhoid fever but more benign.

Mouse anti Salmonella paratyphi A LPS Group A 0-2 Antigen antibody, clone 10B10G recognizes the 0-2 antigenic determinant of *Salmonella* serogroup A and does not cross-react with the LPS of serogroups B, D or E of *Salmonella* spp.

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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.

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/MCA2831>  
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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...) [HRP](#)

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)  
Goat Anti Mouse IgG (STAR70...) [FITC](#)  
Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)  
Goat Anti Mouse IgG (STAR76...) [RPE](#)  
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),  
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),  
[FITC](#), [HRP](#)  
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)  
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)  
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

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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](https://bio-rad-antibodies.com/datasheets)  
'M367491:200529'

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