

Datasheet: MCA2719

Description:	MOUSE ANTI CHLAMYDIA LPS
Specificity:	CHLAMYDIA LPS
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	512F
Isotype:	IgG2b
Quantity:	1 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.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation			▪	
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 appropriate negative/positive controls.

Target Species	Bacterial
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	<0.1% Sodium Azide (NaN ₃)
Approx. Protein	IgG concentration 1 mg/ml

Concentrations

Immunogen *C. trachomatis* strain L.

RRID AB_915241

Fusion Partners Spleen cells from immunised BALB/c mice were fused with cells of the NS1 mouse myeloma cell line.

Specificity **Mouse anti *Chlamydia* LPS antibody, clone 512F** recognizes a genus specific epitope within *Chlamydia* lipopolysaccharide (LPS).

LPS is a common feature of the outer envelope of gram negative bacteria, which acts as a potent endotoxin, triggering an innate immune response. However, whilst the LPS of *Chlamydia trachomatis* does evoke an immune response, it displays only weak endotoxic activity when compared to that of other bacteria such as *Salmonella Minnesota* or *Neisseria gonorrhoeae*.

Mouse anti *Chlamydia* LPS antibody, clone 512F can be used as a confirmatory reagent for Mouse anti *Chlamydia* LPS antibody, clone CF 6J12 ([MCA2718](#)).

References

1. Campbell, S. *et al.* (1994) Lipopolysaccharide in cells infected by *Chlamydia trachomatis*. [Microbiology. 140: 1995-2002.](#)
2. Pivarcsik, T. *et al.* (2021) Comparison of Solution Chemical Properties and Biological Activity of Ruthenium Complexes of Selected β -Diketone, 8-Hydroxyquinoline and Pyridine Ligands [Pharmaceuticals. 14 \(6\): 518.](#)

Further Reading

1. Ingalls, R.R. *et al.* (1995) The inflammatory cytokine response to *Chlamydia trachomatis* infection is endotoxin mediated. [Infect Immun. 63 \(8\): 3125-30.](#)

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: 10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)
Rabbit Anti Mouse IgG (STAR8...) [DyLight@800](#)
Goat Anti Mouse IgG (STAR70...) [FITC](#)
Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight@488](#), [DyLight@550](#),
[DyLight@650](#), [DyLight@680](#), [DyLight@800](#),
[FITC](#), [HRP](#)
Goat Anti Mouse IgG (STAR76...) [RPE](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)

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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
'M389470:210806'

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