

Datasheet: MCA2718

BATCH NUMBER 155720

Description:	MOUSE ANTI CHLAMYDIA LPS
Specificity:	CHLAMYDIA LPS
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	CF 6J12
Isotype:	IgG2a
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	▪			
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	0.09% Sodium Azide (NaN ₃)
Approx. Protein	IgG concentration 1.0mg/ml

Concentrations

Immunogen Elementary bodies from *C. trachomatis* strain SAF₂.

RRID AB_915244

Fusion Partners Spleen cells from immunised BALB/c mice were fused with cells of the NS0/U mouse myeloma cell line.

Specificity **Mouse anti Chlamydia LPS antibody, clone CF 6J12** 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. Studies have shown however, that 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*.

References

1. Thornley, M.J. *et al.* (1985) Properties of monoclonal antibodies to the genus-specific antigen of *Chlamydia* and their use for antigen detection by reverse passive haemagglutination. [J Gen Microbiol. 131 \(1\): 7-15.](#)
2. Xia M *et al.* (2013) Immunization of *Chlamydia pneumoniae* (Cpn)-infected Apob(tm2Sgy)Ldlr(tm1Her)/J mice with a combined peptide of Cpn significantly reduces atherosclerotic lesion development. [PLoS One. 8 \(12\): e81056.](#)
3. Campbell, S. *et al.* (1994) Lipopolysaccharide in cells infected by *Chlamydia trachomatis*. [Microbiology.140: 1995-2002.](#)

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

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.

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/MCA2718>
10040

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)

Goat Anti Mouse IgG IgA IgM (STAR87...) [HRP](#)
Goat Anti Mouse IgG (STAR76...) [RPE](#)
Goat Anti Mouse IgG (STAR70...) [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 (STAR77...) [HRP](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR13...) [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
'M367367:200529'

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