

Datasheet: MCA2096Z

BATCH NUMBER 164774

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|----------------------|---|
| Description: | MOUSE ANTI HUMAN MAdCAM-1:Preservative Free |
| Specificity: | MAdCAM-1 |
| Other names: | MUCOSAL ADDRESSIN CELL ADHESION MOLECULE-1 |
| Format: | Preservative Free |
| Product Type: | Monoclonal Antibody |
| Clone: | CA 102.2C1 |
| Isotype: | IgG1 |
| Quantity: | 0.1 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 | ▪ | | | |
| Functional Assays | ▪ | | | |

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 | Human |
| 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 | None present |

Stabilisers

Approx. Protein Concentrations IgG concentration 1.0 mg/ml

Immunogen Bacterially expressed human MAdCAM-1.

External Database Links**UniProt:**[Q13477](#) [Related reagents](#)**Entrez Gene:**[8174](#) MADCAM1 [Related reagents](#)

RRID AB_324565

Specificity

Mouse anti Human MAdCAM-1 antibody, clone CA102.2C1 recognizes human mucosal addressin cell adhesion molecule -1, also known as MAdCAM-1. Human MAdCAM-1 is a 382 amino acid ~40-60 kDa single pass type 1 transmembrane glycoprotein expressed by vascular endothelium (UniProt :Q13477).

Mouse anti Human MAdCAM-1 antibody, clone CA102.2C1 has been reported to block the binding of human cells expressing alpha4 Beta7 to immobilized MAdCAM-1 *in vitro* ([Grant *et al.* 2001](#)).

References

1. Eksteen, B. *et al.* (2006) Epithelial inflammation is associated with CCL28 production and the recruitment of regulatory T cells expressing CCR10. [J Immunol. 177: 593-603.](#)
2. Liaskou, E. (2010) MAdCAM-1 Expression and Function in Human Liver. [PhD Thesis, University of Birmingham, UK.](#)
3. Liaskou, E. *et al.* (2011) Regulation of mucosal addressin cell adhesion molecule 1 expression in human and mice by vascular adhesion protein 1 amine oxidase activity. [Hepatology. 53: 661-72.](#)

Storage

Store at -20° only.

This product should be stored undiluted.

Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the product. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee

Guaranteed for 12 months from the date of despatch or until the date of expiry, whichever comes first. Please see label for expiry date.

Health And Safety Information

Material Safety Datasheet documentation #10162 available at: <https://www.bio-rad-antibodies.com/SDS/MCA2096Z>
10162

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

| | |
|---|---|
| Rabbit Anti Mouse IgG (STAR12...) | RPE |
| Goat Anti Mouse IgG IgA IgM (STAR87...) | Alk. Phos. , HRP |
| Goat Anti Mouse IgG (STAR76...) | RPE |
| Rabbit Anti Mouse IgG (STAR13...) | HRP |
| 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 |
| Rabbit Anti Mouse IgG (STAR9...) | FITC |
| Goat Anti Mouse IgG (Fc) (STAR120...) | FITC , HRP |
| Goat Anti Mouse IgG (STAR77...) | HRP |

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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|----------------------------------|---|------------------|---|---------------|---|
| North & South America | Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com | Worldwide | Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com | Europe | Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com |
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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
'M412847:221116'

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