

Datasheet: MCA948

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| Description: | RAT ANTI MOUSE DENDRITIC/INTERDIG. CELLS |
| Specificity: | DENDRITIC/INTERDIGITATING CELLS |
| Format: | S/N |
| Product Type: | Monoclonal Antibody |
| Clone: | MIDC-8 |
| Isotype: | IgG2a |
| Quantity: | 2 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.bio-rad-antibodies.com/protocols.

| | Yes | No | Not Determined | Suggested Dilution |
|----------------------------|-----|----|----------------|--------------------|
| Flow Cytometry | | ■ | | |
| Immunohistology - Frozen | ■ | | | 1/25 |
| Immunohistology - Paraffin | | | ■ | |
| ELISA | | | ■ | |
| Immunoprecipitation | | | ■ | |
| Western Blotting | | | ■ | |

Where this antibody 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 antibody for use in their own system using appropriate positive/negative controls.

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| Target Species | Mouse |
| Product Form | Tissue Culture Supernatant - liquid |
| Preparation | Tissue Culture Supernatant containing 0.2M Tris/HCl pH7.4 and 5-10% foetal calf serum |
| Preservative Stabilisers | <0.1% Sodium Azide (NaN ₃) |
| Immunogen | Mouse lymph node stroma. |
| RRID | AB_322021 |
| Fusion Partners | Spleen cells from immunized rats were fused with Sp2/0 myeloma cells. |

Specificity

Rat anti Mouse dendritic/interdigitating cells antibody, clone MIDC-8 recognizes an antigen in the cytoplasm of rat dendritic cells as distinct spots near the nucleus.

Rat anti Mouse dendritic/interdigitating cells antibody, clone MIDC-8 does not stain thymic epithelial cells which are the major contaminants in thymic dendritic cell preparations. The antigen is also absent in blood cells, bone marrow cells and macrophages isolated from the peritoneal cavity.

The antigen recognized by Rat anti Mouse dendritic/interdigitating cells antibody, clone MIDC-8 is found in interdigitating cells in T cell dependent areas of secondary lymphoid organs, the medulla of thymus, veiled cells, and very weakly in Langerhans cells ([Breel et al. 1987](#)).

References

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17. Zhao, X. *et al.* (2012) A combination of secondhand cigarette smoke and *Chlamydia pneumoniae* accelerates atherosclerosis. [Atherosclerosis. 222: 59-66.](#)

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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. |
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Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

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| Guarantee | 12 months from date of despatch |
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| Health And Safety Information | Material Safety Datasheet documentation #10055 available at: 10055: https://www.bio-rad-antibodies.com/uploads/MSDS/10055.pdf |
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| Regulatory | For research purposes only |
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Related Products

Recommended Secondary Antibodies

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| Goat Anti Rat IgG (STAR69...) | FITC |
| Goat Anti Rat IgG (STAR73...) | RPE |
| Rabbit Anti Rat IgG (STAR16...) | DyLight®800 |
| Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...) | DyLight®650 , DyLight®800 |
| Goat Anti Rat IgG (STAR72...) | HRP |
| Rabbit Anti Rat IgG (STAR21...) | HRP |
| Rabbit Anti Rat IgG (STAR17...) | FITC |
| Goat Anti Rat IgG (STAR131...) | Alk. Phos. , Biotin |

Recommended Negative Controls

[RAT IgG2a NEGATIVE CONTROL \(MCA1212\)](#)

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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](https://www.bio-rad-antibodies.com/datasheets)
'M389744:210806'

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