

## Datasheet: MCA2586GA

|                      |                      |
|----------------------|----------------------|
| <b>Description:</b>  | RAT ANTI MOUSE CD199 |
| <b>Specificity:</b>  | CD199                |
| <b>Other names:</b>  | CCR9                 |
| <b>Format:</b>       | Purified             |
| <b>Product Type:</b> | Monoclonal Antibody  |
| <b>Clone:</b>        | 9B1                  |
| <b>Isotype:</b>      | IgG2a                |
| <b>Quantity:</b>     | 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](http://www.bio-rad-antibodies.com/protocols).

|                | Yes | No | Not Determined | Suggested Dilution |
|----------------|-----|----|----------------|--------------------|
| Flow Cytometry | ▪   |    |                | 1/25 - 1/200       |

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.

|                                       |   |
|---------------------------------------|---|
| <b>Target Species</b>                 | Mouse   |
| <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 Stabilisers</b>       | 0.09% Sodium Azide (NaN <sub>3</sub> )  |
| <b>Carrier Free</b>                   | Yes   |
| <b>Approx. Protein Concentrations</b> | IgG concentration 1.0mg/ml  |

|                                      |  |
|--------------------------------------|--|
| <b>Immunogen</b>                     | 25 amino acids from the amino terminal of murine CCR9, coupled to KLH.   |
| <b>External Database Links</b>       | <p><b>UniProt:</b><br/> <a href="#">Q9WUT7</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b><br/> <a href="#">12769</a> Ccr9    <a href="#">Related reagents</a></p>  |
| <b>Synonyms</b>                      | Cmkbr10  |
| <b>RRID</b>                          | AB_1604844   |
| <b>Fusion Partners</b>               | Spleen cells from immunized Lewis rat were fused with cells of the X63-Ag8.653 myeloma cell line.  |
| <b>Specificity</b>                   | <p><b>Rat anti Mouse CD199 antibody, clone 9B1</b> detects mouse chemokine receptor 9 (CCR9), also known as CD199. CCR9 is a seven transmembrane protein which is a member of the beta chemokines receptor family. CCR9 is expressed in thymus and small intestine, and mediates the recruitment and development of thymocytes in response to CCL25; the only known ligand of CCR9.</p> <p>CCR9 is an alternative co-receptor with CD4 for HIV infection, and has been implicated in adult T cell leukaemia. Two alternatively spliced transcript variants have been described.</p> <p>Clone 9B1 blocks CCL25-induced Ca<sup>2+</sup> release, attenuating inflammation in a murine model of chronic ileitis when given in early disease stages.</p> |
| <b>Flow Cytometry</b>                | Use 10ul of the suggested working dilution to label 1x10 <sup>6</sup> cells in 100ul.  |
| <b>Further Reading</b>               | 1. Uehara, S. <i>et al.</i> (2006) Premature expression of chemokine receptor CCR9 impairs T cell development. <a href="#">J Immunol. 176 (1): 75-84.</a>  |
| <b>Storage</b>                       | <p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>  |
| <b>Guarantee</b>                     | 12 months from date of despatch  |
| <b>Health And Safety Information</b> | Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA2586GA">https://www.bio-rad-antibodies.com/SDS/MCA2586GA</a><br>10040  |
| <b>Regulatory</b>                    | For research purposes only   |

## Related Products

### Recommended Secondary Antibodies

|  |   |
|--|---|
| Rabbit Anti Rat IgG (STAR16...)                | <a href="#">DyLight®800</a>   |
| Rabbit Anti Rat IgG (STAR17...)                | <a href="#">FITC</a>  |
| Goat Anti Rat IgG (STAR72...)                  | <a href="#">HRP</a>   |
| Goat Anti Rat IgG (STAR69...)                  | <a href="#">FITC</a>  |
| Goat Anti Rat IgG (STAR73...)                  | <a href="#">RPE</a>   |
| Rabbit Anti Rat IgG (STAR21...)                | <a href="#">HRP</a>   |
| Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...) | <a href="#">DyLight®550</a> , <a href="#">DyLight®650</a> , <a href="#">DyLight®800</a> |
| Goat Anti Rat IgG (STAR131...)                 | <a href="#">Alk. Phos.</a> , <a href="#">Biotin</a>                                     |

### Recommended Negative Controls

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

|                                  |   |                  |   |               |   |
|----------------------------------|---|------------------|---|---------------|---|
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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)

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