

Datasheet: MCA2586GA

Description:	RAT ANTI MOUSE CDw199
Specificity:	CDw199
Other names:	CCR9
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	9B1
Isotype:	IgG2a
Quantity:	0.1 mg

Product Details

RRID AB_1604844

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	▪			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.

Target Species Mouse

Product Form Purified IgG - liquid

Preparation Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

Buffer Solution Phosphate buffered saline

Preservative Stabilisers 0.09% Sodium Azide (NaN₃)

Carrier Free Yes

Approx. Protein Concentrations IgG concentration 1.0mg/ml

Immunogen 25 amino acids from the amino terminal of murine CCR9, coupled to KLH.

External Database Links

UniProt:

[Q9WUT7](#)

[Related reagents](#)

Entrez Gene:[12769](#) Ccr9 [Related reagents](#)

Synonyms	Cmkbr10
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Fusion Partners	Spleen cells from immunised Lewis rat were fused with cells of the X63-Ag8.653 myeloma cell line.
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Specificity	<p>Rat anti Mouse CDw199 antibody, clone 9B1 detects mouse chemokine receptor 9 (CCR9), also known as CDw199. 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 Ca²⁺ release, attenuating inflammation in a murine model of chronic ileitis when given in early disease stages.</p>
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Flow Cytometry	Use 10ul of the suggested working dilution to label 1x10 ⁶ cells in 100ul.
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References	<ol style="list-style-type: none">Rivera-nieves, J. <i>et al.</i> (2006) Antibody blockade of CCL25/CCR9 ameliorates early but not late chronic murine ileitis. Gastroenterology. 131 (5): 1518-29.Nagakubo, D. <i>et al.</i> (2007) Expression of CCR9 in HTLV-1+ T cells and ATL cells expressing Tax. Int J Cancer. 120 (7): 1591-7.
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Further Reading	<ol style="list-style-type: none">Uehara, S. <i>et al.</i> (2006) Premature expression of chemokine receptor CCR9 impairs T cell development. J Immunol. 176 (1): 75-84.
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Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
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Guarantee	18 months from date of despatch.
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Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR17...)	FITC
Goat Anti Rat IgG (STAR69...)	FITC
Goat Anti Rat IgG (STAR131...)	Alk. Phos. , Biotin
Goat Anti Rat IgG (STAR73...)	RPE
Rabbit Anti Rat IgG (STAR21...)	HRP
Goat Anti Rat IgG (STAR72...)	HRP

Rabbit Anti Rat IgG (STAR16...) [DyLight®800](#)

Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...) [DyLight®800](#)

Recommended Negative Controls

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

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