

Datasheet: MCA2586

Description:	RAT ANTI MOUSE CDw199
Specificity:	CDw199
Other names:	CCR9
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	9B1
Isotype:	IgG2a
Quantity:	0.25 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	▪			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 (NaN ₃)
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	<p>UniProt: Q9WUT7 Related reagents</p> <p>Entrez Gene: 12769 Ccr9 Related reagents</p>
Synonyms	Cmkbr10
RRID	AB_1604843
Fusion Partners	Spleen cells from immunised Lewis rat were fused with cells of the X63-Ag8.653 myeloma cell line.
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>
Flow Cytometry	Use 10ul of the suggested working dilution to label 1x10 ⁶ cells in 100ul.
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.
Further Reading	1. Uehara, S. <i>et al.</i> (2006) Premature expression of chemokine receptor CCR9 impairs T cell development. J Immunol. 176 (1): 75-84.
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>
Guarantee	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf

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
Rabbit Anti Rat IgG (STAR16...)	DyLight@800
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	DyLight@800
Goat Anti Rat IgG (STAR72...)	HRP

Recommended Negative Controls

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

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