

Datasheet: MCA2256

BATCH NUMBER 164042

Description:	RAT ANTI MOUSE CDw210a
Specificity:	CDw210a
Other names:	IL-10R1
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	1B1.3a
Isotype:	IgG1
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			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			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
Species Cross Reactivity	Does not react with:Human
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 1.0 mg/ml
Immunogen	Purified recombinant extracellular region of mouse CDw210a.
External Database Links	<p>UniProt:</p> <p>Q61727 Related reagents</p> <p>Entrez Gene:</p> <p>16154 IL10ra Related reagents</p>
Synonyms	IL10r
RRID	AB_2125250
Fusion Partners	Spleen cells from immunised Fisher rats were fused with cells of the mouse SP2/0 myeloma cell line.
Specificity	<p>Rat anti Mouse CDw210a antibody, clone 1B1.3a recognizes mouse CDw210a, a cell surface glycoprotein of approximately 110 kDa, also known as Interleukin-10 receptor 1 (IL-10R1). The epitope recognized by this antibody has been localised to the ligand binding domain within the extracellular region of mouse CDw210a. Mouse CDw210a is expressed by a range of cells including thymocytes, T cells, B cells and monocytes. Rat anti Mouse CDw210a antibody, clone 1B1.3a is reported to neutralize the effects of IL-10 (Asseman <i>et al.</i> 1997).</p>
References	<ol style="list-style-type: none"> 1. Asseman, C. <i>et al.</i> (1999) An essential role for interleukin 10 in the function of regulatory T cells that inhibit intestinal inflammation. J Exp Med. 190 (7): 995-1004. 2. Phillips, J.M. <i>et al.</i> (2001) Cutting edge: interactions through the IL-10 receptor regulate autoimmune diabetes. J Immunol. 167 (11): 6087-91. 3. Iwashiro, M. <i>et al.</i> (2001) Immunosuppression by CD4+ regulatory T cells induced by chronic retroviral infection. Proc Natl Acad Sci U S A. 98: 9226-30. 4. Montagnoli, C. <i>et al.</i> (2002) B7/CD28-dependent CD4+CD25+ regulatory T cells are essential components of the memory-protective immunity to <i>Candida albicans</i>. J Immunol. 169: 6298-308. 5. Vicari, A.P. <i>et al.</i> (2002) Reversal of tumor-induced dendritic cell paralysis by CpG immunostimulatory oligonucleotide and anti-interleukin 10 receptor antibody. J Exp Med. 196: 541-9. 6. Sundstedt, A. <i>et al.</i> (2003) Role for IL-10 in suppression mediated by peptide-induced regulatory T cells <i>in vivo</i>. J Immunol. 170 (3): 1240-8. 7. Asseman, C. <i>et al.</i> (2003) Colitogenic Th1 cells are present in the antigen-experienced T cell pool in normal mice: control by CD4+ regulatory T cells and IL-10. J Immunol. 171: 971-8.

Storage	<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>
Guarantee	12 months from date of despatch
Health And Safety Information	<p>Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA2256</p> <p>10040</p>
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR16...)	DyLight®800
Rabbit Anti Rat IgG (STAR17...)	FITC
Goat Anti Rat IgG (STAR72...)	HRP
Goat Anti Rat IgG (STAR69...)	FITC
Goat Anti Rat IgG (STAR73...)	RPE
Rabbit Anti Rat IgG (STAR21...)	HRP
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	DyLight®550 , DyLight®650 , DyLight®800
Goat Anti Rat IgG (STAR131...)	Alk. Phos. , Biotin

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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