

Datasheet: MCA2256

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 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 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
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: Q61727 Related reagents</p> <p>Entrez Gene: 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	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).
Flow Cytometry	Use 10ul of the suggested working dilution to label 1x10 ⁶ cells in 100ul.
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. 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. 4. 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. 5. 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. 6. 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. 7. 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.
Storage	<p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>
Guarantee	12 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
Goat Anti Rat IgG (STAR72...)	HRP
Rabbit Anti Rat IgG (STAR16...)	DyLight®800
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	DyLight®800

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

'M366456:200529'

Printed on 11 Aug 2020