

Datasheet: MCA2256XZ

Description:	RAT ANTI MOUSE CDw210a:Preservative Free
Specificity:	CDw210a
Other names:	IL-10R1
Format:	Preservative Free
Product Type:	Monoclonal Antibody
Clone:	1B1.3a
Isotype:	IgG1
Quantity:	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.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			■	
Immunohistology - Frozen			■	
Immunohistology - Paraffin			■	
ELISA			■	
Immunoprecipitation			■	
Western Blotting	■			1/200
Functional Assays	■			

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	None present
Carrier Free	Yes
Approx. Protein	IgG concentration 1.0 mg/ml

Concentrations

Immunogen Purified recombinant extracellular region of mouse CDw210a.

External Database Links

UniProt:

[Q61727](#) [Related reagents](#)

Entrez Gene:

[16154](#) IL10ra [Related reagents](#)

Synonyms IL10r

RRID AB_2295963

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 et al. 1997](#)).

Flow Cytometry Use 10ul of the suggested working dilution to label 1×10^6 cells in 100ul.

References

1. Asseman, C. *et al.* (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. *et al.* (2001) Cutting edge: interactions through the IL-10 receptor regulate autoimmune diabetes. [J Immunol. 167 \(11\): 6087-91.](#)
 3. Sundstedt, A. *et al.* (2003) Role for IL-10 in suppression mediated by peptide-induced regulatory T cells *in vivo*. [J Immunol. 170 \(3\): 1240-8.](#)
 4. Asseman, C. *et al.* (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. *et al.* (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. *et al.* (2002) B7/CD28-dependent CD4+CD25+ regulatory T cells are essential components of the memory-protective immunity to *Candida albicans*. [J Immunol. 169: 6298-308.](#)
 7. Vicari, A.P. *et al.* (2002) Reversal of tumor-induced dendritic cell paralysis by CpG immunostimulatory oligonucleotide and anti-interleukin 10 receptor antibody. [J Exp Med. 196: 541-9.](#)
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Storage Store at -20°C only.

This product should be stored undiluted.

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.

Guarantee 12 months from date of despatch

**Health And Safety
Information**

Material Safety Datasheet documentation #10162 available at:
10162: <https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf>

Regulatory

For research purposes only

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

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