



Datasheet: MCA2256XZ

**BATCH NUMBER 150674**

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

<b>Target Species</b>	Mouse
<b>Species Cross Reactivity</b>	Does not react with:Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant.

<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	None present
<b>Carrier Free</b>	Yes
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	Purified recombinant extracellular region of mouse CDw210a.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q61727</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">16154</a>    IL10ra    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	IL10r
<b>RRID</b>	AB_2295963
<b>Fusion Partners</b>	Spleen cells from immunised Fisher rats were fused with cells of the mouse SP2/0 myeloma cell line.
<b>Specificity</b>	<b>Rat anti Mouse CDw210a antibody, clone 1B1.3a</b> 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 ( <a href="#">Asseman <i>et al.</i> 1997</a> ).
<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label $1 \times 10^6$ cells in 100ul.
<b>References</b>	<ol style="list-style-type: none"> <li>Asseman, C. <i>et al.</i> (1999) An essential role for interleukin 10 in the function of regulatory T cells that inhibit intestinal inflammation. <a href="#">J Exp Med. 190 (7): 995-1004.</a></li> <li>Phillips, J.M. <i>et al.</i> (2001) Cutting edge: interactions through the IL-10 receptor regulate autoimmune diabetes. <a href="#">J Immunol. 167 (11): 6087-91.</a></li> <li>Sundstedt, A. <i>et al.</i> (2003) Role for IL-10 in suppression mediated by peptide-induced regulatory T cells <i>in vivo</i>. <a href="#">J Immunol. 170 (3): 1240-8.</a></li> <li>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. <a href="#">J Immunol. 171: 971-8.</a></li> <li>Iwashiro, M. <i>et al.</i> (2001) Immunosuppression by CD4+ regulatory T cells induced by chronic retroviral infection. <a href="#">Proc Natl Acad Sci U S A. 98: 9226-30.</a></li> <li>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>. <a href="#">J Immunol.</a></li> </ol>

[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.

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**Guarantee**

12 months from date of despatch

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**Health And Safety Information**

Material Safety Datasheet documentation #10162 available at: <https://www.bio-rad-antibodies.com/SDS/MCA2256XZ>  
10162

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**Regulatory**

For research purposes only

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## 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](#)

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