

## Datasheet: MCA2255XZ

<b>Description:</b>	RAT ANTI HUMAN 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>	3F9
<b>Isotype:</b>	IgG2a
<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 (1)	■			1/100 - 1/200
Immunohistology - Frozen			■	
Immunohistology - Paraffin			■	
ELISA			■	
Immunoprecipitation			■	
Western Blotting			■	
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.

**(1)Due to low expression of CDw210a, sensitive staining techniques may be required.**

<b>Target Species</b>	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>	Soluble human CDw210a
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q13651</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">3587</a>    IL10RA    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	IL10R
<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>	<p><b>Rat anti Human CDw210a, clone 3F9</b> recognizes human CDw210a, a 90-110kD glycoprotein, also known as Interleukin-10 receptor 1 (IL-10R1).  CDw210a is expressed on T cells, NK cells, monocytes and dendritic cells, although surface expression may be low.  Recent work has reported an increase in intracellular expression of CDw210a during dendritic cell maturation, but a reduction in surface CDw210a expression, see <a href="#">Corinti, S. et al.</a> for details.  This clone is reported to function as a blocking antibody. Bio-Rad recommend the use of <a href="#">MCA2255XZ</a> for functional studies, see <a href="#">Liu, Y. et al.</a> for details.</p>
<b>Flow Cytometry</b>	Use 10ul of the suggested working dilution to label 1x10 <sup>6</sup> cells in 100ul.
<b>References</b>	<ol style="list-style-type: none"> <li>Liu, Y. <i>et al.</i> (1997) The EBV IL-10 homologue is a selective agonist with impaired binding to the IL-10 receptor. <a href="#">J Immunol. 158 (2): 604-13.</a></li> <li>O7#39;Farrell, A.M. <i>et al.</i> (1998) IL-10 inhibits macrophage activation and proliferation by distinct signaling mechanisms: evidence for Stat3-dependent and -independent pathways. <a href="#">EMBO J. 17 (4): 1006-18.</a></li> <li>Corinti, S. <i>et al.</i> (2001) Regulatory activity of autocrine IL-10 on dendritic cell functions. <a href="#">J Immunol. 166 (7): 4312-8.</a></li> <li>Elbim, C. <i>et al.</i> (2001) Intracellular pool of IL-10 receptors in specific granules of human neutrophils: differential mobilization by proinflammatory mediators. <a href="#">J Immunol. 166 (8): 5201-7.</a></li> <li>Fayette, J. <i>et al.</i> (1997) Human dendritic cells skew isotype switching of CD40-activated naive B cells towards IgA1 and IgA2. <a href="#">J Exp Med. 185 (11): 1909-18.</a></li> <li>Goodier, M.R. &amp; Londei, M. (2000) Lipopolysaccharide stimulates the proliferation of human CD56+CD3- NK cells: a regulatory role of monocytes and IL-10. <a href="#">J Immunol. 165 (1): 139-47.</a></li> <li>Levings, M.K. <i>et al.</i> (2001) IFN-alpha and IL-10 induce the differentiation of human type 1 T regulatory cells. <a href="#">J Immunol. 166 (9): 5530-9.</a></li> <li>Hamel, Y. <i>et al.</i> (2016) A unique CD8(+) T lymphocyte signature in pediatric type 1 diabetes. <a href="#">J Autoimmun. 73: 54-63.</a></li> </ol>
<b>Storage</b>	<p>Store at -20°C only.</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>
<b>Shelf Life</b>	18 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>

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Rat IgG (STAR16...)	<a href="#">DyLight®800</a>
Goat Anti Rat IgG (STAR73...)	<a href="#">RPE</a>
Rabbit Anti Rat IgG (STAR21...)	<a href="#">HRP</a>
Rabbit Anti Rat IgG (STAR17...)	<a href="#">FITC</a>
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	<a href="#">DyLight®549</a> , <a href="#">DyLight®649</a> , <a href="#">DyLight®800</a>
Goat Anti Rat IgG (STAR131...)	<a href="#">Alk. Phos.</a> , <a href="#">Biotin</a>
Goat Anti Rat IgG (STAR69...)	<a href="#">FITC</a>
Goat Anti Rat IgG (STAR72...)	<a href="#">HRP</a>

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