

Datasheet: MCA2255PE

Description:	RAT ANTI HUMAN CDw210a:RPE
Specificity:	CDw210a
Other names:	IL-10R1
Format:	RPE
Product Type:	Monoclonal Antibody
Clone:	3F9
Isotype:	IgG2a
Quantity:	100 TESTS

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	■			Neat

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	Human		
Product Form	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilized		
Reconstitution	Reconstitute with 1.0 ml distilled water		
Max Ex/Em	Fluorophore	Excitation Max (nm)	Emission Max (nm)
	RPE 488nm laser	496	578
Preparation	Purified IgG prepared by affinity chromatography on Protein G from		
Buffer Solution	Phosphate buffered saline		
Preservative	0.09% Sodium Azide		
Stabilisers	1%	Bovine Serum Albumin	
	5%	Sucrose	
Immunogen	Soluble human CDw210a		
External Database Links	UniProt: Q13651 Related reagents		

Entrez Gene:[3587](#) IL10RA [Related reagents](#)

Synonyms	IL10R
Fusion Partners	Spleen cells from immunised Fisher rats were fused with cells of the mouse SP2/0 myeloma cell line.
Specificity	Rat anti Human CDw210a, clone 3F9 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 Corinti, S. et al. for details. This clone is reported to function as a blocking antibody. Bio-Rad recommend the use of MCA2255XZ for functional studies, see Liu, Y. et al. for details.
Flow Cytometry	Use 10ul of the suggested working dilution to label 1 x 10 ⁶ cells in 100ul.
References	1. Liu, Y. <i>et al.</i> (1997) The EBV IL-10 homologue is a selective agonist with impaired binding to the IL-10 receptor. J Immunol. 158 (2): 604-13. 2. O'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. EMBO J. 17 (4): 1006-18. 3. Corinti, S. <i>et al.</i> (2001) Regulatory activity of autocrine IL-10 on dendritic cell functions. J Immunol. 166 (7): 4312-8. 4. Elbim, C. <i>et al.</i> (2001) Intracellular pool of IL-10 receptors in specific granules of human neutrophils: differential mobilization by proinflammatory mediators. J Immunol. 166 (8): 5201-7. 5. Fayette, J. <i>et al.</i> (1997) Human dendritic cells skew isotype switching of CD40-activated naive B cells towards IgA1 and IgA2. J Exp Med. 185 (11): 1909-18. 6. Goodier, M.R. & Londei, M. (2000) Lipopolysaccharide stimulates the proliferation of human CD56+CD3- NK cells: a regulatory role of monocytes and IL-10. J Immunol. 165 (1): 139-47. 7. Levings, M.K. <i>et al.</i> (2001) IFN-α and IL-10 induce the differentiation of human type 1 T regulatory cells. J Immunol. 166 (9): 5530-9. 8. Hamel, Y. <i>et al.</i> (2016) A unique CD8(+) T lymphocyte signature in pediatric type 1 diabetes. J Autoimmun. 73: 54-63.
Storage	Prior to reconstitution store at +4°C. Following reconstitution store at +4°C. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	12 months from date of reconstitution.
Health And Safety Information	Material Safety Datasheet documentation #10075 available at: 10075: https://www.bio-rad-antibodies.com/uploads/MSDS/10075.pdf
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

[RAT IgG2a NEGATIVE CONTROL:RPE \(MCA6005PE\)](#)

Recommended Useful Reagents

[HUMAN SEROBLOCK \(BUF070A\)](#)

[HUMAN SEROBLOCK \(BUF070B\)](#)

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