

Datasheet: MCA2255GA

BATCH NUMBER 1610

Description:	RAT ANTI HUMAN CDw210a
Specificity:	CDw210a
Other names:	IL-10R1
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	3F9
Isotype:	IgG2a
Quantity:	0.1 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 (1)	▪			1/10 - 1/50
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting			▪	

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.

Target Species	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	Soluble human CDw210a
External Database Links	<p>UniProt:</p> <p>Q13651 Related reagents</p> <p>Entrez Gene:</p> <p>3587 IL10RA Related reagents</p>
Synonyms	IL10R
RRID	AB_2125488
Fusion Partners	Spleen cells from immunised Fisher rats were fused with cells of the mouse SP2/0 myeloma cell line.
Specificity	<p>Rat anti Human CDw210a, clone 3F9 recognizes human CDw210a, a 90-110 kDa 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. Intracellular expression of CDw210a increases during dendritic cell maturation, while surface CDw210a expression decreases (Corinti <i>et al.</i> 2001) . Rat anti Human CDw210a, clone 3F9 functions as a blocking antibody(Liu <i>et al.</i> 1997).</p>
Flow Cytometry	Use 10ul of the suggested working dilution to label 1×10^6 cells in 100ul.
References	<ol style="list-style-type: none"> 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. 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. EMBO J. 17 (4): 1006-18. 3. 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. 4. 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. 5. 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. 6. Levings, M.K. <i>et al.</i> (2001) IFN-alpha and IL-10 induce the differentiation of human type 1 T regulatory cells. J Immunol. 166 (9): 5530-9.

7. Hamel, Y. *et al.* (2016) A unique CD8(+) T lymphocyte signature in pediatric type 1 diabetes. [J Autoimmun. 73: 54-63.](#)

Storage

Store at +4°C or at -20°C if preferred.

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 #10040 available at: <https://www.bio-rad-antibodies.com/SDS/MCA2255GA>
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Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Rat IgG (STAR69...)	FITC
Goat Anti Rat IgG (STAR73...)	RPE
Goat Anti Rat IgG (MOUSE ADSORBED) (STAR71...)	DyLight®550 , DyLight®650 , DyLight®800
Rabbit Anti Rat IgG (STAR21...)	HRP
Rabbit Anti Rat IgG (STAR16...)	DyLight®800
Goat Anti Rat IgG (STAR131...)	Alk. Phos. , Biotin
Rabbit Anti Rat IgG (STAR17...)	FITC
Goat Anti Rat IgG (STAR72...)	HRP

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