

Datasheet: MCA2255GA

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| 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 product 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 product for use in their own system using appropriate negative/positive controls.

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

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| 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 | 0.09% sodium azide (NaN ₃) |

Stabilisers

Carrier Free Yes

Approx. Protein Concentrations IgG concentration 1.0 mg/ml

Immunogen Soluble human CDw210a

External Database Links**UniProt:**[Q13651](#)[Related reagents](#)**Entrez Gene:**[3587](#)

IL10RA

[Related reagents](#)

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 **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 *et al.* 2001](#)) . Rat anti Human CDw210a, clone 3F9 functions as a blocking antibody([Liu *et al.* 1997](#)).

Flow Cytometry Use 10µl of the suggested working dilution to label 1x10⁶ cells in 100µl

References

1. Liu, Y. *et al.* (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. *et al.* (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. *et al.* (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. *et al.* (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. *et al.* (2001) IFN-α 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.](#)

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| Storage | <p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p> |
| 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 10040 |
| Regulatory | For research purposes only |

Related Products

Recommended Secondary Antibodies

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| Goat Anti Rat IgG (STAR69...) | FITC |
| Goat Anti Rat IgG (STAR73...) | RPE |
| Rabbit Anti Rat IgG (STAR17...) | FITC |
| Goat Anti Rat IgG (STAR131...) | Alk. Phos. , Biotin |
| Goat Anti Rat IgG (STAR72...) | HRP |
| 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 |

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)
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