

Datasheet: MCA2255PE

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|----------------------|----------------------------|
| 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 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.

| | | | |
|------------------------|--|----------------------------|--------------------------|
| 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 tissue culture supernatant. | | |
| Buffer Solution | Phosphate buffered saline | | |
| Preservative | 0.09% sodium azide (NaN ₃) | | |
| 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

RRID

AB_324812

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 1 x 10⁶ 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-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.](#)
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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.

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #20487 available at:
<https://www.bio-rad-antibodies.com/SDS/MCA2255PE>
20487

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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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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