

## Rat IL-10R1 (Interleukin-10 Receptor 1) Monoclonal Antibody | anti-IL-10R1 antibody

IL-10R1, Mouse (Interleukin-10 Receptor 1) (CD210)

| CATALOG # | HOST | REACTIVITY                      | APPLICATIONS                                                               |
|-----------|------|---------------------------------|----------------------------------------------------------------------------|
| AAA215350 | Rat  | MouseDoes not react with Human. | Immunofluorescence, Flow Cytometry, Functional Assay, Neutralization Assay |

### PRODUCT SYNONYMS

IL-10R1 (Interleukin-10 Receptor 1); Monoclonal Antibody; IL-10R1; Mouse (Interleukin-10 Receptor 1) (CD210); CD210 antigen; CDw210a; IBD28; IL10R alpha; IL-10R subunit 1; IL10RA IL10RIL-10R subunit alpha; interleukin 10 receptor; alpha; interleukin-10 receptor alpha chain; Interleukin-10 receptor subunit 1; anti-IL-10R1 antibody

### PRODUCT SPECIFICATIONS

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                              | Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Reactivity                                        | Mouse<br>Does not react with Human.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Clonality                                         | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Isotype                                           | IgG1, kappa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Clone Number                                      | 1B1.3a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Specificity                                       | This monoclonal antibody recognizes Mouse Interleukin-10 receptor 1 (IL-10R1), a cell surface glycoprotein of approximately 110KDa. Its epitope is localized in the ligand-binding domain in the extracellular region of Mouse IL-10R1. This antibody blocks the binding of IL-10 to its receptor. IL-10R1 is a class II cytokine receptor expressed on thymocytes, T cells, B cells, NK cells, monocytes and macrophages. Binding of IL-10 to its receptor initiates JAK/STAT signaling that leads to B cell proliferation and inhibition of macrophage activation. |
| Purity/Purification                               | Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Form/Format                                       | 200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.                                                                                                                                                                                                                                                                                                                                                                                               |
| Sequence Length                                   | 575                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Applicable Applications for anti-IL-10R1 antibody | IF (Immunofluorescence), FCM/FACS (Flow Cytometry), NTRL (Neutralization)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Positive Control                                  | MPBMC's. Spleen, Thymus, Lymph Node, Placenta, Lung or Liver.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Immunogen                                         | Purified recombinant extracellular region of Mouse IL10RA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Cellular Localization                             | Cell Surface                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Hu-chromosome Location                            | 9 A5.2; 9 24.84 cM (Mouse)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Preparation and Storage                           | Antibody with azide: store at 2 to 8 degree C.<br>Antibody without azide: store at -20 to -80 degree C.<br>Antibody is stable for 24 months. Non-hazardous. No MSDS required.                                                                                                                                                                                                                                                                                                                                                                                        |

IMAGES



SDS-PAGE  
SDS-PAGE Analysis Purified IL-10R1 Rat Monoclonal Antibody (1B1.3a). Confirmation of Integrity and Purity of Antibody.

ADDITIONAL INFORMATION

|            |                                                                                                                               |
|------------|-------------------------------------------------------------------------------------------------------------------------------|
| References | 1. Vieira PL, et al. 2004. J. Immunol. 172:5986. (Neutralization). 2. Wang W, et al. 2004. FASEB J. 18:1043. (Neutralization) |
|------------|-------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                               |
|----------------------------------|-----------------------------------------------------------------------------------------------|
| NCBI GI #                        | 6680389                                                                                       |
| NCBI GeneID                      | 16154                                                                                         |
| NCBI Accession #                 | NP_032374.1                                                                                   |
| NCBI GenBank Nucleotide #        | NP_032374.1                                                                                   |
| UniProt Accession #              | Q61727                                                                                        |
| Molecular Weight                 | 90-110kDa                                                                                     |
| NCBI Official Full Name          | interleukin-10 receptor subunit alpha isoform 1                                               |
| NCBI Official Synonym Full Names | interleukin 10 receptor, alpha                                                                |
| NCBI Official Symbol             | IL10ra                                                                                        |
| NCBI Official Synonym Symbols    | IL10r; CDw210; CDw210a; IL-10R1; IL-10RA; mIL-10R; AW553859                                   |
| NCBI Protein Information         | interleukin-10 receptor subunit alpha                                                         |
| UniProt Protein Name             | Interleukin-10 receptor subunit alpha                                                         |
| UniProt Gene Name                | IL10ra                                                                                        |
| UniProt Synonym Gene Names       | IL10r; IL-10 receptor subunit alpha; IL-10R subunit alpha; IL-10RA; IL-10R subunit 1; IL-10R1 |
| UniProt Entry Name               | I10R1_MOUSE                                                                                   |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/monoclonal/il-10r1-interleukin-10-receptor-1-antibody-clone-1b1-3a-immunofluorescence-flow-cytometry-neutralization-elisa/215350>