Anti-IL21R antibody(DMC225); IgG1 Chimeric mAb

Cat. No. DMC100225

## PRODUCT INFORMATION

| | |
|---|---|
| **Clone ID** | **Warning**: Undefined variable $hasAttributeValueDescription in **/www/wwwroot/tech.dimabio.cn/wp-content/plugins/woocommerce-print-products/public/class-woocommerce-print-products-public.php** on line **2806**<br>DMC225 |
| **Target** | IL21R |
| **Synonyms** | CD360; IMD56; NILR |
| **Host Species** | Rabbit |
| **Description** | Anti-IL21R antibody(DMC225); IgG1 Chimeric mAb |
| **Delivery** | In Stock |
| **Uniprot ID** | Q9HBE5 |
| **IgG type** | Rabbit/Human Fc chimeric IgG1 |
| **Clonality** | Monoclonal |
| **Reactivity** | Human |
| **Applications** | ELISA; Flow Cyt |
| **Recommended Dilutions** | ELISA 1:5000-10000; Flow Cyt 1:100 |
| **Purification** | Purified from cell culture supernatant by affinity chromatography |
| **Formulation & Reconstitution** | Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. |
| **Storage&Shipping** | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. |
| **Background** | The protein encoded by this gene is a cytokine receptor for interleukin 21 (IL21). It belongs to the type I cytokine receptors; and has been shown to form a heterodimeric receptor complex with the common gamma-chain; a receptor subunit also shared by the receptors for interleukin 2; 4; 7; 9; and 15. This receptor transduces the growth promoting signal of IL21; and is important for the proliferation and differentiation of T cells; B cells; and natural killer (NK) cells. The ligand binding of this receptor leads to the activation of multiple downstream signaling molecules; including JAK1; JAK3; STAT1; and STAT3. Knockout studies of a similar gene in mouse suggest a role for this gene in regulating immunoglobulin production. Three alternatively spliced transcript variants have been described. |
| **Usage** | Research use only |
| **Conjugate** | Unconjugated |
| **DIMA Disclaimer** | All DIMA recombinant antibodies are genuinely generated by DIMA Biotech. They are all under patent application. Any protein sequencing or reverse engineering attempt is prohibited. We are actively scr |

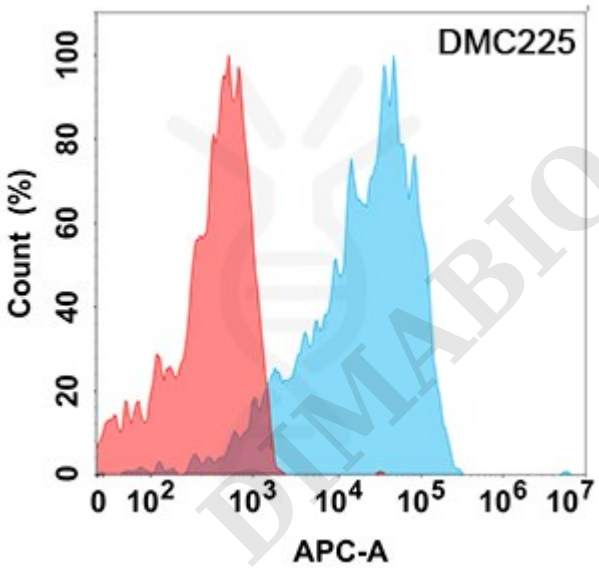



Figure 1. Flow cytometry analysis with Anti-IL21R (DMC225) on HEK293 cells transfected with human IL21R (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).

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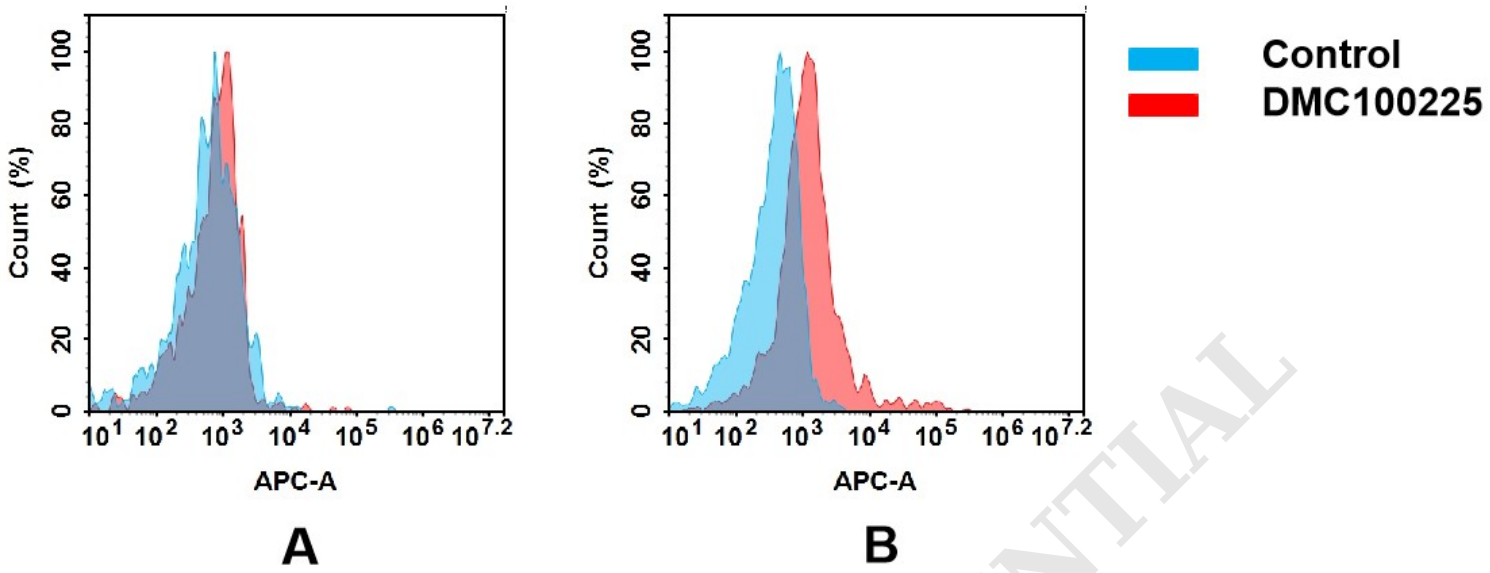



Figure 2. Flow cytometry analysis of antigen binding of anti-human IL21R mAb(DMC100225).
(A) DMC100225 does not bind to 293T cells that do not express IL21R.
(B) A clear peak shift of DMC100225 was seen compared to the control when incubated with IL21R-expressing Raji cells, indicating strong binding of DMC100225 to IL21R. Antibodies were incubated at 5 μg/mL.

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