Cat. No. DMC100225



## **PRODUCT INFORMATION**

Clone ID **DMC225 Target** II 21R

**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

Purified from cell culture supernatant by affinity **Purification** 

chromatography

Formulation & Reconstitution

**Background** 

Storage & Shipping

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.

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.

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

> 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

> > Email: info@dimabio.com Website: www.dimabio.com

**DIMA Disclaimer** actively scrutinizing all patent application to

ensure no IP infringement.

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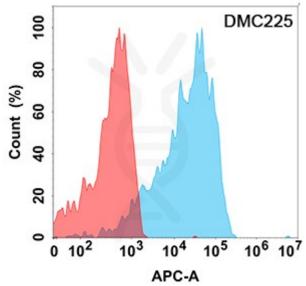


Figure 1. Flow cytometry analysis with Anti-IL21R (DMC225) on Expi293 cells transfected with human IL21R (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).

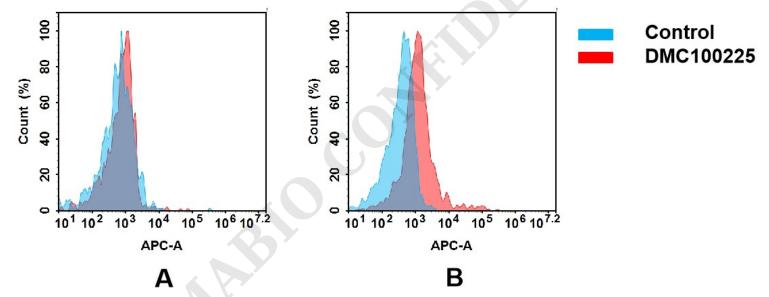


Figure 2. Flow cytometry analysis of antigen binding of anti-human IL21R mAb(DMC100225). (A) DMC100225 does not bind to 293T cells that do not express IL21R. (B) A clear peak shift of DMC100225 was seen compared to the control when incubated with IL21R-expressing Raji cells, indicating strong binding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



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