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# 12-9209B: Biotinylated Anti-IL21R antibody(DMC225); IgG1 Chimeric mAb

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| **Clonality :** | Monoclonal |
| **Clone Name :** | DMC225 |
| **Application :** | ELISA; Flow Cyt |
| **Reactivity :** | Human |
| **Gene :** | IL21R |
| **Uniprot ID :** | Q9HBE5 |
| **Alternative Name :** | CD360; IMD56; NILR |
| **Isotype :** | IgG1 |

## Description

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.

## Product Info

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| **Amount :** | 10 µg / 100 µg |
| **Purification :** | Purified from cell culture supernatant by affinity chromatography |
| **Content :** | 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 condition :** | 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. |

## Application Note

ELISA 1:5000-10000; Flow Cyt 1:100

***For Research Use Only. Not for use in diagnostic/therapeutics procedures.***