

HUMAN IL21R PROTEIN, MFC TAG

货号: 11383

产品全名: 人 IL21R 蛋白

规格: 10/50/100 µg

基因符号 CD360;IMD56;NILR

目标蛋白: IL21R

UNIPROT ID: Q9HBE5

描述: Recombinant Human IL21R with C-terminal mouse Fc tag

背景: 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.

物种/宿主: HEK293

分子量: The protein has a predicted molecular mass of 50.7 kDa after removal of the signal peptide. The apparent molecular mass of IL21R-mFc is approximately 55-70 kDa due to glycosylation.

分子特征: IL21R(Cys20-Glu232) mFc(Pro99-Lys330)

纯化: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

储存和运输: 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.

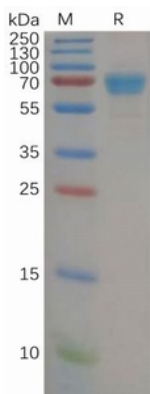


Figure 1. Human IL21R Protein, mFc Tag on SDS-PAGE under reducing condition

Human IL21R, mFc Tagged protein ELISA

0.2 µg of Human IL21R, mFc tagged protein per well

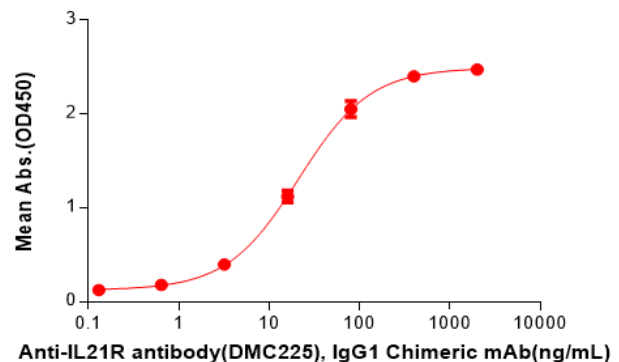


Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human IL21R Protein, mFc Tag(11383) can bind Anti-IL21R antibody(DMC225), IgG1 Chimeric mAb in a linear range of 3.20-80 ng/mL.