PRODUCT INFORMATION

Target	IL21R
Description	Monoclonal Cell Line Derived from K562 Cells, Engineered for Stable Expression of Human IL21R Using Lentiviral Technology
Host Cells	K562
Uniprot ID	Q9HBE5
Applications	FACS Data
Growth media	RPMI-1640+10% FBS+1% P.S+1% Gln+2 ug/mL Puromycin
Package	5E6 Cells/mL
Suggested Control	SKU: DMC100225
Warranty and Disclaimer	1. Please inspect cells upon receipt and report any issues promptly. 2. We offer one-time replacements for issues reported within a week of receipt. 3. User-induced issues are not eligible for free replacements. 4. We do not accept liability for damages resulting from cell use, storage, or loss. 5. Feedback received more than one month after receipt will not be processed.
Storage&Shipping	Cells are shipped using dry ice and require liquid nitrogen storage for long term preservation.
Synonyms	CD360; IMD56; NILR
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	For research use only.

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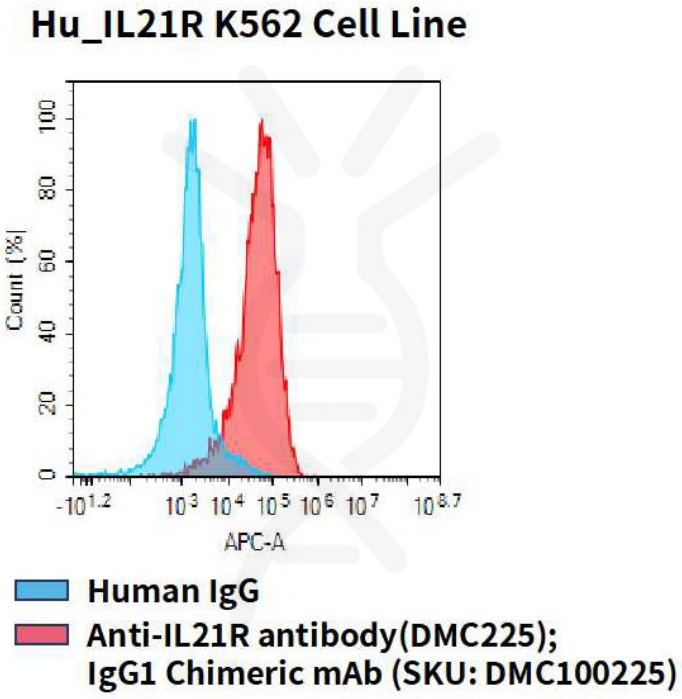


Figure 1. Flow cytometry analysis of human IL21R overexpression using Hu_IL21R K562 Cell Line (Cat. No. CEL100086) and Anti-IL21R antibody(DMC225)IgG1 Chimeric mAb (Cat. No. DMC100225)

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