



IL21R blocking peptide (CDBP1586)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	IL - 21 Receptor (N - term) peptide
Antigen 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. [provided by RefSeq, Jul 2010]
Conjugate	Unconjugated
Applications	BL
Concentration	0.2 mg/ml
Size	50 µg
Buffer	Preservative: 0.02% Sodium Azide; Constituents: 0.1% BSA, PBS. pH 7.2
Preservative	0.02% Sodium Azide

GENE INFORMATION

Gene Name	IL21R interleukin 21 receptor [Homo sapiens (human)]
Official Symbol	IL21R
Synonyms	IL21R; interleukin 21 receptor; NILR; CD360; interleukin-21 receptor; IL-21 receptor; novel

interleukin receptor;

Entrez Gene ID

[50615](#)

mRNA Refseq

[NM_021798.3](#)

Protein Refseq

[NP_068570.1](#)

UniProt ID

Q9HBE5

Chromosome Location

16p11

Pathway

Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Inflammatory bowel disease (IBD), organism-specific biosystem; Inflammatory bowel disease (IBD), conserved biosystem; Jak-STAT signaling pathway, organism-specific biosystem; Jak-STAT signaling pathway, conserved biosystem;

Function

interleukin-21 receptor activity;