



IL21R blocking peptide (CDBP5562)

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

PRODUCT INFORMATION

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]
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Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

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
Protein Refseq	NP_068570
UniProt ID	Q9HBE5
Pathway	Cytokine-cytokine receptor interaction; Inflammatory bowel disease (IBD); Jak-STAT signaling pathway
Function	interleukin-21 receptor activity