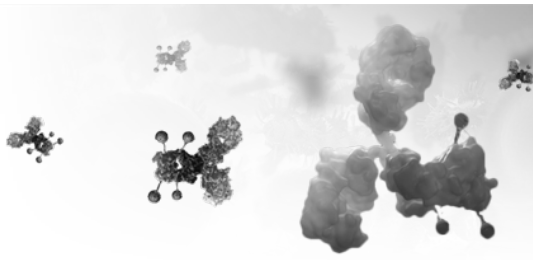

Human IL12RB1 blocking peptide (CDBP1577)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-IL12RB1 antibody
Antigen Description	The protein encoded by this gene is a type I transmembrane protein that belongs to the hemopoietin receptor superfamily. This protein binds to interleukine 12 (IL12) with a low affinity, and is thought to be a part of IL12 receptor complex. This protein forms a disulfide-linked oligomer, which is required for its IL12 binding activity. The coexpression of this and IL12RB2 proteins was shown to lead to the formation of high-affinity IL12 binding sites and reconstitution of IL12 dependent signaling. Mutations in this gene impair the development of interleukin-17-producing T lymphocytes and result in increased susceptibility to mycobacterial and Salmonella infections. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2014]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	IL12RB1 interleukin 12 receptor, beta 1 [Homo sapiens]
Official Symbol	IL12RB1

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Synonyms	IL12RB1; interleukin 12 receptor, beta 1; IL12RB; interleukin-12 receptor subunit beta-1; CD212; IL-12RB1; IL-12R-beta-1; IL-12R subunit beta-1; IL-12 receptor beta component; IL-12 receptor subunit beta-1; interleukin-12 receptor beta-1 chain; IL-12R-BETA1; MGC34454;
Entrez Gene ID	3594
mRNA Refseq	NM_005535
Protein Refseq	NP_005526
UniProt ID	P42701
Chromosome Location	19p13.1
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; IL12-mediated signaling events, organism-specific biosystem; IL23-mediated signaling events, organism-specific biosystem; IL27-mediated signaling events, organism-specific biosystem; Jak-STAT signaling pathway, organism-specific biosystem; Jak-STAT signaling pathway, conserved biosystem;
Function	cytokine receptor activity; contributes_to interleukin-12 receptor activity; contributes_to interleukin-12 receptor binding; contributes_to interleukin-23 binding; contributes_to interleukin-23 receptor activity; receptor activity;

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