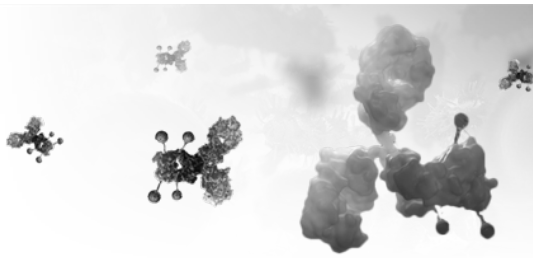

IL10RA peptide (DAG-P0636)

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 receptor for interleukin 10. This protein is structurally related to interferon receptors. It has been shown to mediate the immunosuppressive signal of interleukin 10, and thus inhibits the synthesis of proinflammatory cytokines. This receptor is reported to promote survival of progenitor myeloid cells through the insulin receptor substrate-2/PI 3-kinase/AKT pathway. Activation of this receptor leads to tyrosine phosphorylation of JAK1 and TYK2 kinases. Two transcript variants, one protein-coding and the other not protein-coding, have been found for this gene. [provided by RefSeq, Jan 2009]
Specificity	Spleen, thymus, and PBMC. Weak expression in pancreas, skeletal muscle, brain, heart, and kidney. Placenta, lung, and liver showed intermediate levels. Monocytes, B-cells, large granular lymphocytes, and T-cells express high levels.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the type II cytokine receptor family.
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	IL10RA interleukin 10 receptor, alpha [Homo sapiens (human)]
Official Symbol	IL10RA
Synonyms	IL10RA; interleukin 10 receptor, alpha; CD210; IL10R; CD210a; CDW210A; HIL-10R; IL-10R1; interleukin-10 receptor subunit alpha; IL-10RA; IL-10R subunit 1; IL-10R subunit alpha; IL-10

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	receptor subunit alpha; interleukin-10 receptor subunit 1; interleukin-10 receptor alpha chain;
Entrez Gene ID	3587
mRNA Refseq	NM_001558.3
Protein Refseq	NP_001549.2
UniProt ID	Q13651
Chromosome Location	11q23
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Epstein-Barr virus infection, organism-specific biosystem; Epstein-Barr virus infection, conserved biosystem; Jak-STAT signaling pathway, organism-specific biosystem; Jak-STAT signaling pathway, conserved biosystem; Toxoplasmosis, organism-specific biosystem; Toxoplasmosis, conserved biosystem; Tuberculosis, organism-specific biosystem; Tuberculosis, conserved biosyst
Function	interleukin-10 binding; interleukin-10 receptor activity; protein binding; receptor activity; signal transducer activity;

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