

Recombinant Mouse Interleukin 1 Receptor, Type II

Cat. No. Il1r2-1754M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Mouse
Source	Sf21 Cells
Description	Interleukin 1 receptor type II (IL1R2), also known as CD121b (Cluster of Differentiation 121b), is a transmembrane protein found on B lymphocytes, neutrophils, monocytes, large granular leukocytes and endothelial cells. It is a decoy receptor known for its ability to buffer IL-1 effects. IL-1RII is involved in the control of the proinflammatory state that takes place in the endometrium during the premenstrual and menstrual periods. IL-1RII can neutralize IL-1 beta and counteract its effect on endometrial stromal cells, and may provide a new clinical strategy for the treatment of endometriosis.
Molecular Weight	The predicted molecular weight of Recombinant Mouse IL-1 RII is Mr 64.7 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 70-80 kDa.
State Of Matter	Lyophilized.
Purity	>95% by SDS Page and analyzed by silver stain.
Endotoxin	<1.0 EU/g as determined by the LAL method.

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Storage And Stability

This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

GENE INFORMATION

Gene Name	Il1r2 interleukin 1 receptor, type II [<i>Mus musculus</i>]
Synonyms	Il1r2; interleukin 1 receptor, type II; CD121b; Il1r-2; IL-1 receptor beta chain
Gene ID	16178
mRNA Refseq	NM_010555
Protein Refseq	NP_034685
UniProt ID	P27931
Chromosome Location	1 B; 1 19.5 cM
Pathway	Cytokine-cytokine receptor interaction; Hematopoietic cell lineage; MAPK signaling pathway
Function	interleukin-1 receptor activity; interleukin-1, Type II, blocking receptor activity; receptor activity

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