Active Recombinant Mouse IL1R1 Protein, Fc-tagged

Cat. No. IL1R1-917M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse IL1R1 (P13504) extracellular domain (Met 1-Lys 338) was fused with the Fc region of human IgG1 at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	1-338 a.a.
Predicted N Terminal	Leu 20
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Bio-activity	1. Measured by its binding ability in a functional ELISA. 2. Immobilized recombinant human IL1b at 10 μg/mL (100 μl/well) can mouse IL1R1-Fc with a linear range of 62.5-1000 ng/mL.
Molecular Mass	The secreted recombinant mouse IL1R1/Fc is a disulfide-linked homodimer. The reduced monomer comprises 560 amino acids and has a calculated molecular mass of 64.3 kDa. As a result of glycosylation, the apparent molecular mass of the recombinant protein is approximately 70 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.

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Purity	>92 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70ºC.
Storage	Store it under sterile conditions at -20ºC~-70ºC. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4℃ before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Il1r1 interleukin 1 receptor, type I [Mus musculus]
Official Symbol	IL1R1
Synonyms	IL1R1; interleukin 1 receptor, type I; interleukin-1 receptor type 1; p80; IL-1R-1; IL-1RT1; IL-1RT-1; IL-1R-alpha; IL-1 receptor alpha chain; interleukin-1 receptor alpha; interleukin-1 receptor type I; CD121 antigen-like family member A; IL-iR; CD121a;
Gene ID	16177
mRNA Refseq	NM_001123382
Protein Refseq	NP_001116854
MIM	
UniProt ID	
Pathway	Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; Apoptosis

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	signaling pathway, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-sp
Function	interleukin-1 receptor activity; interleukin-1 receptor activity; interleukin-1, Type I, activating receptor activity; ionotropic glutamate receptor binding; platelet-derived growth factor receptor binding; protease binding; protein binding; receptor acti

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