

IL-1R-2/CD121b (C-Fc), Human, Recombinant

Cat. No. : PCK146

General Information

Synonyms	Interleukin-1 Receptor type 2;IL-1R-2;IL-1RT-2;IL-1RT2;CD121 antigen-like family member B;CDw121b;IL-1 type II Receptor;Interleukin-1 Receptor beta;IL-1R-beta;Interleukin-1 Receptor type II;CD121b
Species	Human
Expression host	Human Cells
Sequence	Phe14-Glu343
Accession	P27930
Tag	C-Fc
Mol mass	64.5 kDa
Expiration date	12 months

Product feature

Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin (EU/μg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -5~-20°C for 3 months.
Shipping	Ice bag
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/mL. Dissolve the lyophilized protein in sterile water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Background

Interleukin-1 Receptor type 2 (IL1R2) belongs to the Interleukin-1 Receptor family. Two distinct types of IL1 Receptors which are able to bind IL1 specifically have been identified, designated as IL1RI (IL1RA) and IL1RII (IL1RB). IL1 Receptor type II is a 68 kDa transmembrane Protein found on B lymphocytes, neutrophils, monocytes, large granular leukocytes and endothelial cells. IL1R2 is non-signaling Receptor for IL1A, IL1B and IL1RN, reduces IL1B activities. IL1R2 serves as a decoy Receptor by competitive binding to IL1B and preventing its binding to IL1R1. IL1R2 modulates cellular response through non-signaling association with IL1RAP after binding to IL1B. IL1R2 (membrane and secreted forms) preferentially binds IL1B and poorly IL1A and IL1RN. The secreted IL1R2 recruits secreted IL1RAP with high affinity; this complex formation may be the dominant mechanism for neutralization of IL1B by secreted/soluble Receptors.

SDS-PAGE

