
Recombinant Human Interleukin-1 receptor type 2/IL-1R-2 Protein**Cat.NO.: TP05197**

3th Edition

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

Description: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.

Form:PBS

Molecular Weight:38.6 kDa

Sequences:Phe14-Glu343

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.