

Recombinant Mouse IL-1 Receptor-Like 1/IL-1RL1/IL-1 R4 Protein(C-Fc)

Cat.NO.: TP05052

3th Edition

Synonyms: Interleukin-1 receptor-like 1; Lymphocyte antigen 84; Protein ST2; Protein T1; Il1rl1; DER4; Fit-1; IL-1 R4; IL-1RL1; IL-33R; Ly84; ST2L; ST2V; suppression of tumorigenicity 2

Description: ST2, also called IL-1 R4, is an Interleukin-1 receptor family glycoprotein that plays a role in Th2 immune responses. ST2 is expressed on the surface of mast cells, activated Th2 cells, macrophages, and cardiac myocytes. This receptor is very similar to the IL-1 receptor type I and the IL-18 receptor α chain in that ST2 also has three extracellular Ig domains and an intracellular Toll domain. ST2 binds IL-33, enhances inflammatory cytokines by activating nuclear factor- κ B (NF- κ B) and mitogen activated protein (MAP) kinases. ST2 exists as either a membrane bound form (ST2L) or as a soluble form (sST2). ST2L acts as a transmembrane signalling receptor for IL-33 by mediating the effect of IL-33 on the inflammatory process, while sST2 can suppress IL-33 activity.

Form: PBS

Molecular Weight: 62.7 kDa

Sequences: Ser27-Ala337

Purity: > 95% by HPLC

Concentration:

Endotoxin Level: <1.0 EU per 1 μ g 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.