

32-6412: IL1RA Mouse, His Active

Application : Functional Assay

Alternative Name : IRAP, IL1F3, IL1RA, IL-1ra3, ICIL-1RA, IL1RN, IL1 inhibitor, IL-1ra, F630041P17Rik.

Description

Source: Escherichia Coli.

Sterile Filtered colorless solution.

Interleukin-1 ra is a member of the interleukin 1 cytokine family. IL1RAinhibits the activities of interleukin 1, alpha (IL1A) and interleukin 1, beta (IL1B), and modulates a variety of interleukin 1 related immune and inflammatory responses. IL1RAand five other closely related cytokine genes form a gene cluster spanning approximately 400 kb on chromosome 2. A polymorphism of this gene is reported to be associated with increased risk of osteoporotic fractures and gastric cancer.

IL1RA Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 177 amino acids (27-178 aa) and having a molecular mass of 20kDa.IL1RA is fused to a 25 amino acid His tag at N-terminus and purified by proprietary chromatographic techniques.

Product Info

Amount : 5 µg / 20 µg

Purification : Greater than 95.0% as determined by SDS-PAGE.

Content : The IL1RA solution (1 mg/ml) contains 10% Glycerol, 20mM Tris-HCl buffer (pH 8.0) and 0.1M NaCl

Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

Amino Acid : MGSSHHHHH SSGLVPRGSH MGSHMRPSGK RPCKMQAFRI WDTNQKTFYL
RNNQLIAGYLQGPNIKLEEK IDMVPIDLHS VFLGIHGGKL CLSCAKSGDD IKLQLEEVNI
TDLSKNKEEDKRFTFIRSEK GPTTSFESAA CPGWFLCTTL EADRPVSLTN TPPEPLIVTK FYFQEDQ

Application Note

Measured by the ability to inhibit proliferation using D10.G4.1 mouse helper T cells. ED50 for this effect is <= 60 ng/ml with Mouse IL-1 alpha.