
Product Data Sheet

Product Name: IL1RA Mouse, His Active

Cat. No.: GP26042

Batch No.: 1

Product Data

Purity >98% Source Escherichia Coli.

Physical Appearance solid Shipping Condition withIcePacks

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

Amino Acid Sequence MGSSHHHHHH SSGLVPRGSH MGSHMPSGK RPCKMQAFRI WDTNQKTFYL
RNNQLIAGYLQGPNIKLEEK IDMVPIDLHS VFLGIHGGKL CLSCAKSGDD
IKLQLEEVNI TDLSKNKEEDKRFTFIRSEK GPTTSFESAA CPGWFLCTTL
EADRPVSLTN TPEEPLIVTK FYFQEDQ

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

Introduction

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.

Biological Activity

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.

Stability

Store at 46yC if entire vial will be used within 2-4 weeks. Store, frozen at -206yC 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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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Background

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.

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