

**RMCM022**

Recombinant IL-1RA (Interleukin-1 receptor antagonist),  
Mouse ,AF



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5ug;20ug;100ug;500ug;

**Synonym/Alternative name(s):**

ICIL-1RA, IRAP, IL-1RN, F630041P17Rik

**Activity:**

Measure by its ability to inhibit IL-1 alpha -dependent proliferation in D10.G4.1 cells.  
The ED50 for this effect is <50 ng/mL.

**Protein Description:**

The interleukin-1 receptor antagonist (IL-1RA) is a protein that in humans is encoded by the IL1RN gene. IL-1RA was initially called the IL-1 inhibitor and was discovered separately in 1984 by two independent laboratories. IL-1RA is an agent that binds non-productively to the cell surface interleukin-1 receptor (IL-1R), the same receptor that binds interleukin 1 (IL-1), preventing IL-1 from sending a signal to that cell.

**Protein Accession :** P25085.1

**Gene ID :** 16181

**Expression Sequence:**

MRPSGKRPKMQAFRIWDTNQQKTFYLRNQLIAGYLQGPNIKLEEKIDMVPIDLHSVFLGIHGGKLCSCAKSGDDIKLQLEEVNITDLS  
KNKEEDKRFTFIRSEKGPPTSFESAACPGWFLCTTLEADRPVSLTNTPEEPLIVTKFYFQEDQ with polyhistidine tag at the C-terminus.

**Fusion tag :** His-tag?at?the?C-terminus

**Species :** Mouse

**Reactivity :** Mouse

**Expression Host :** Escherichia coli

**Source :** E. coli

**Purity/method:**

>98% as determined by SDS-PAGE. Ni-NTA chromatography

**Endotoxin level:**

<0.1 EU per 1 µg of the protein by the LAL method.

**Calculated Molecular Weight :** 18.27 kDa

**Formulation:**

The protein was lyophilized from a solution containing 1X PBS, pH 7.4.

**Reconstitution:**

It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

**Shipping :** Blue Ice

**Stability and Storage:**

Lyophilized protein should be stored at -20°C for 1 year.

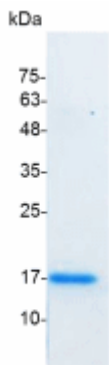
Upon reconstitution, store at 2°C to 8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1%

BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months.

**Category :** Cytokines

**Application :** Cell culture, Elisa

**Image:**



SDS- PAGE analysis of recombinant mouse IL-1RA