

### **IL-1RA Antibody**

Rabbit Polyclonal Antibody Catalog # ABV11217

## **Specification**

# **IL-1RA Antibody - Product Information**

Application WB
Primary Accession P18510
Reactivity Human
Host Rabbit
Clonality Polyclonal
Isotype Rabbit IgG
Calculated MW 20055

## **IL-1RA Antibody - Additional Information**

**Gene ID 3557** 

Positive Control Western Blot: Recombinant protein

Application & Usage Western blot: 1-4 μg/ml.

**Other Names** 

IRAP, IL1F3, IL1RA, IL-1ra3, ICIL-1RA, IL1RN, IL1 inhibitor, IL-1ra, MGC10430, human IL-1RA, recombinant human IL-1RA

Target/Specificity

IL-1RA

**Antibody Form** 

Liquid

**Appearance** 

Colorless liquid

**Formulation** 

 $100~\mu g$  (0.5 mg/ml) of antibody in PBS pH 7.2 containing 0.01 % BSA, 0.01 % thimerosal, and 50 % glycerol.

**Handling** 

The antibody solution should be gently mixed before use.

**Reconstitution & Storage** 

-20 °C

**Background Descriptions** 

#### **Precautions**

IL-1RA Antibody is for research use only and not for use in diagnostic or therapeutic procedures.



### **IL-1RA Antibody - Protein Information**

Name IL1RN

Synonyms IL1F3, IL1RA

#### **Function**

Anti-inflammatory antagonist of interleukin-1 family of proinflammatory cytokines such as interleukin-1beta/IL1B and interleukin-1alpha/IL1A. Protects from immune dysregulation and uncontrolled systemic inflammation triggered by IL1 for a range of innate stimulatory agents such as pathogens.

#### **Cellular Location**

[Isoform 1]: Secreted [Isoform 3]: Cytoplasm.

#### **Tissue Location**

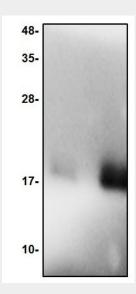
The intracellular form of IL1RN is predominantly expressed in epithelial cells

### **IL-1RA Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

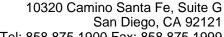
- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# **IL-1RA Antibody - Images**



Western blot of IL-1RA antibody. Lane 1: Recombinant human IL-1RA protein - 2 ng. Lane 2: Recombinant human IL-1RA protein - 10 ng

### IL-1RA Antibody - Background





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Interleukin-1 RA is a member of the interleukin 1 cytokine family. This protein inhibits the activities of interleukin 1-alpha (IL1A) and interleukin 1-beta (IL1B), and modulates a variety of interleukin 1 related immune and inflammatory responses. This gene and 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. Four alternatively spliced transcript variants encoding distinct isoforms have been reported. IL1RA Human Recombinant produced in E.Coli is a non-glycosylated, N-terminal methionyl form of the human naturally-occurring polypeptide chain containing 153 amino acids and having a molecular mass of 17000 Dalton.