

Anti-IL1RA Antibody Picoband™ (monoclonal, 12C13)

Catalog # ABO15054

Product Information

Application	E
Primary Accession	P25086
Host	Mouse
Isotype	Mouse IgG2b
Reactivity	Rat
Clonality	Monoclonal
Format	Lyophilized
Description	Anti-IL1RA Antibody Picoband™ (monoclonal, 12C13) . Tested in ELISA applications. This antibody reacts with Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	60582
Other Names	Interleukin-1 receptor antagonist protein, IL-1RN, IL-1ra, IRAP, IL1 inhibitor, Il1rn, Il-1ra
Calculated MW	20282
Application Details	ELISA (Cap), 1-5 µg/ml, Rat
Source	Eukaryota
Contents	Each vial contains 4mg Trehalose, 0.9mg NaCl and 0.2mg Na2HPO4.
Clone Names	Clone: 12C13
Immunogen	E. coli-derived rat IL1RA recombinant protein (Position: H27-Q178). Rat IL1RA shares 77.6% and 90.7% amino acid (aa) sequence identity with human and mouse IL1RA, respectively.
Purification	Immunogen affinity purified.
Storage	Store at -20° C for one year from date of receipt. After reconstitution, at 4° C for one month. It can also be aliquotted and stored frozen at -20° C for six months. Avoid repeated freeze-thaw cycles.

Protein Information

Name	Il1rn
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Synonyms	Il-1ra
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	Secreted {ECO:0000250 UniProtKB:P18510}.

Background

The interleukin-1 receptor antagonist (IL-1RA) is a protein that in humans is encoded by the IL1RN gene. The protein encoded by this gene 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. Several alternatively spliced transcript variants encoding distinct isoforms have been reported.

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