

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

Catalog Number: M00651-1

About Il1rn

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.

Overview

Product Name	Anti-IL1RA Antibody Picoband™ (monoclonal, 12C13)
Reactive Species	Rat
Description	Boster Bio Anti-IL1RA Antibody Picoband™ (monoclonal, 12C13) catalog # M00651-1. Tested in ELISA applications. This antibody reacts with Rat.
Application	ELISA
Clonality	Monoclonal 12C13
Formulation	Each vial contains 4mg Trehalose, 0.9mg NaCl and 0.2mg Na2HPO4.
Storage Instructions	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.
Host	Mouse
Uniprot ID	P25086

Technical Details

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.
Predicted Reactive Species	Hepatitis Virus
Recommended Detection Systems	Boster provides a series of assays reacted with primary antibodies.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Mouse IgG2b
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.

Purification	Immunogen affinity purified.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: ELISA (Cap), 1-5ug/ml, Rat

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