

## Product datasheet for **AP05027BT-N**

### IL1RA (IL1RN) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	<u>ELISA</u> : 2 µg/ml in a two-site ELISA with unconjugated IL-1ra antibody. Typically the ELISA has a working range of 0 - 20000 pg/ml and a sensitivity of <50 pg/ml with the appropriate standard. Recommended sample volumes are 25 - 200 µl. Recovery of hIL-1RA in human plasma is typically > 85% in the ELISA. <u>Immunoprecipitation</u> : using a double-antibody method. <u>Western blot</u> : 10 µg/ml.
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Human recombinant interleukin 1 receptor antagonist (hIL-1RA).
Specificity:	This antibody recognizes IL-1RA. Does not recognize hIL-1a, hIL-1b or a panel of other cytokines.
Formulation:	Phosphate buffered saline with 0.08% sodium azide Label: Biotin State: Liquid purified Ig (0.2 µm sterile filtered)
Concentration:	lot specific
Purification:	> 95 % by SDS PAGE
Conjugation:	Biotin
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	interleukin 1 receptor antagonist
Database Link:	<u><a href="#">Entrez Gene 3557 Human P18510</a></u>



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**Background:**

IL1RA 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.

**Synonyms:**

IL1F3, IL-1ra, IL-1RN, IRAP, IL1 inhibitor, ICIL-1RA