

Human IL-1 R alpha ELISA Kit | IL-1 R alpha elisa kit

IL-1 R alpha Human ELISA Kit

CATALOG # AAA58894	REACTIVITY Human	APPLICATIONS ELISA
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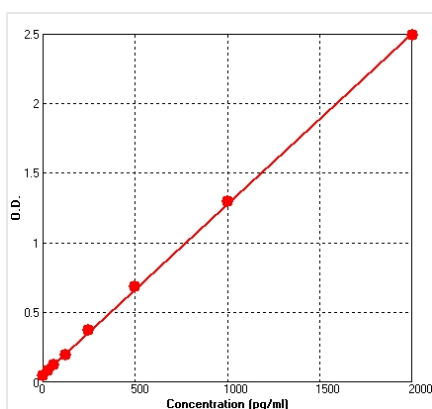
PRODUCT SYNONYMS

IL-1 R alpha; IL-1 R alpha Human ELISA Kit; Human IL-1 R alpha; IL-1 R alpha elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Detection Range	31.2 pg/ml-2000 pg/ml
Sensitivity	< 2pg/ml
Applicable Applications for IL-1 R alpha elisa kit	ELISA
Preparation and Storage	Store at 2-8 degree C for 4 months, or at -20 degree C for 8 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL-1 R alpha elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-IL-1RA polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- IL-1RA polyclonal antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the IL-1RA amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of IL-1RA can be calculated. Background: The interleukin-1 receptor antagonist (IL-1RA) is a protein that in humans is encoded by the IL1RN gene which maps to 2q14.2. It is a member of the interleukin 1 cytokine family, and it is secreted by various types of cells including immune cells, epithelial cells, and adipocytes, IL-1RA is an agent that binds non-productively to the cell surface interleukin-1 receptor (IL-1R). Carter et al. (1990) found that IL1RN specifically inhibited IL1 bioactivity on T cells and endothelial cells in vitro and was a potent inhibitor of IL1-induced corticosterone production in vivo. Mutations in the IL1RN gene results in a rare disease called deficiency of the interleukin-1-receptor antagonist (DIRA), and elevated levels of IL1RN has been found in serum of schizophrenia patients.
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/il-1-r-alpha/58894>