

Human IL-1alpha Precursor (Pro-IL-1a) ELISA Kit | Pro-IL-1a elisa kit

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CATALOG #
AAA331311

REACTIVITY
Human

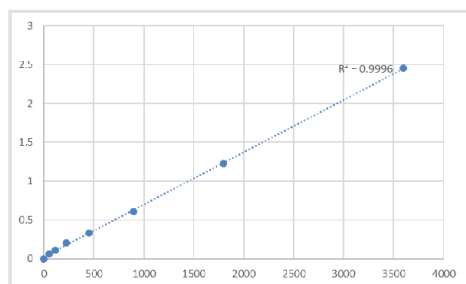
PRODUCT SYNONYMS

IL-1alpha Precursor (Pro-IL-1a); Human IL-1alpha Precursor (Pro-IL-1a) ELISA Kit; Pro-IL-1a elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human IL-1alpha Precursor (Pro-IL-1a) ELISA Kit has high sensitivity and excellent specificity for detection of Human Pro-IL-1a. No significant cross-reactivity or interference between Human Pro-IL-1a and analogues was observed.
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human IL-1alpha Precursor (Pro-IL-1a) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for Pro-IL-1a elisa kit	Description: This Human IL-1alpha Precursor (Pro-IL-1a) ELISA Kit employs a two-site sandwich ELISA to quantitate Pro-IL-1a in samples. An antibody specific for Pro-IL-1a has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any Pro-IL-1a present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for Pro-IL-1a is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of Pro-IL-1a bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: IL-1alpha Precursor encoded by Pro-IL-1a is a member of the interleukin 1 cytokine family. This cytokine is a pleiotropic cytokine involved in various immune responses, inflammatory processes, and hematopoiesis. This cytokine is produced by monocytes and macrophages as a proprotein, which is proteolytically processed and released in response to cell injury, and thus induces apoptosis. Pro-IL-1a and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. It has been suggested that the polymorphism of these genes is associated with rheumatoid arthritis and Alzheimer's disease.
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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-1alpha-precursor-pro-il-1a/331311>