

Rat NLRP3 ELISA Kit | NLRP3 elisa kit

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CATALOG #
AAA247305

REACTIVITY
Rat

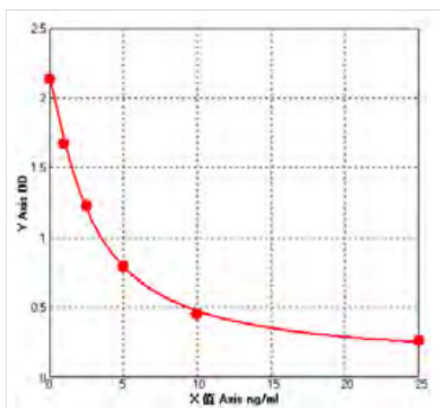
PRODUCT SYNONYMS

NLRP3; Rat NLRP3 ELISA Kit; NLRP3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of NLRP3. No significant cross-reactivity or interference between NLRP3 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between NLRP3 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store at 2-8 degree C. The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NLRP3 elisa kit	Principle of the Assay: NLRP3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-NLRP3 antibody and an NLRP3-HRP conjugate. The assay sample and buffer are incubated together with NLRP3-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the NLRP3 concentration since NLRP3 from samples and NLRP3-HRP conjugate compete for the anti-NLRP3 antibody binding site. Since the number of sites is limited, as more sites are occupied by NLRP3 from the sample, fewer sites are left to bind NLRP3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The NLRP3 concentration in each sample is interpolated from this standard curve. Intended Uses: This NLRP3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat NLRP3. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for NLRP3 elisa kit	Signal Transduction; Immunology; Cancer; Cardiovascular

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/rat-elisa-kits/nlrp3/247305>