

Rat NLR Family ELISA Kit | NLRP3 elisa kit

Rat NLR Family, Pyrin Domain Containing Protein 3 (NLRP3) ELISA Kit

CATALOG #
AAA145522

REACTIVITY
Rat

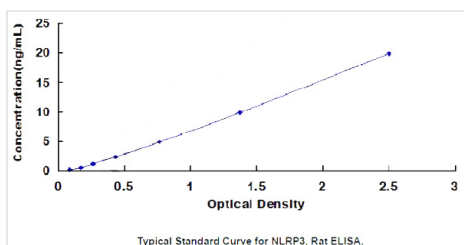
PRODUCT SYNONYMS

NLR Family; Rat NLR Family; Pyrin Domain Containing Protein 3 (NLRP3) ELISA Kit; AVP; AGTAVPRL; All; All/AVP; C1orf7; CIAS1; CLR1.1; FCAS; FCU; MWS; NALP3; PYPAF1; Cryopyrin; Cold Induced Autoinflammatory Syndrome 1; Caterpillar-Like Receptor 1.1; 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.
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.115ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level NLRP3 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level NLRP3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NLRP3 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to NLRP3. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to NLRP3. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain NLRP3, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of NLRP3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for NLRP3 elisa kit	Signal Transduction
References	Suppression of inflammatory cascades via novel cinnamic acid nanoparticles in acute hepatitis rat model; Arch Biochem Biophys; 2020 Dec 15;696:108658.; PMID: 33144082; Ehab A Ibrahim; Biochemistry Department, Faculty of Science, Ain Shams University, Cairo, Egypt.

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/nlrp3-rat-elisa-kits/nlr-family/145522>