Human NLR Family, Pyrin Domain Containing Protein 3 (NLRP3) ELISA Kit | NLRP3 elisa kit

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

CATALOG #	REACTIVITY
AAA147488	**Human**

PRODUCT SYNONYMS

NLR Family; Pyrin Domain Containing Protein 3 (NLRP3); Human NLR Family; Pyrin Domain Containing Protein 3 (NLRP3) ELISA Kit; AVP; AGTAVPRL; AII; AII/AVP; C1orf7; CIAS1; CLR1.1; FCAS; FCU; MWS; NALP3; PYPAF1; Cryopyrin; Cold Induced Autoinflammatory Syndrome 1; Caterpiller-Like Receptor 1.1; NLRP3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
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.
Sequence Length	1036
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.125ng/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	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of NLRP3 in human tissue homogenates, cell lysates and other biological fluids. 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

NCBI AND UNIPROT INFORMATION

NCBI GI #	219518791
NCBI GeneID	114548
Molecular Weight	115,968 Da
NCBI Official Full Name	NLR family, pyrin domain containing 3
NCBI Official Synonym Full Names	NLR family pyrin domain containing 3
NCBI Official Symbol	NLRP3
NCBI Official Synonym Symbols	AII; AVP; FCU; MWS; FCAS; CIAS1; FCAS1; NALP3; C1orf7; CLR1.1; PYPAF1; AGTAVPRL
NCBI Protein Information	NACHT, LRR and PYD domains-containing protein 3
UniProt Protein Name	NACHT, LRR and PYD domains-containing protein 3
UniProt Gene Name	**NLRP3**
UniProt Synonym Gene Names	C1orf7; CIAS1; NALP3; PYPAF1; CLR1.1

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/human-elisa-kits/nlr-family-pyrin-domain-containing-protein-3-nlrp3/147488