

Human NLR Family, Pyrin Domain Containing Protein 3 (NLRP3) CLIA Kit | NLRP3 clia kit

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CATALOG # AAA189126	REACTIVITY Human	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of NLR Family, Pyrin Domain Containing Protein 3 (NLRP3). No significant cross-reactivity or interference between NLR Family, Pyrin Domain Containing Protein 3 (NLRP3) and analogues was observed.
Sequence Length	920
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, cell lysates and other biological fluids
Detection Range	68.6-50,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 27.5pg/mL
Applicable Applications for NLRP3 clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level NLR Family, Pyrin Domain Containing Protein 3 (NLRP3) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level NLR Family, Pyrin Domain Containing Protein 3 (NLRP3) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The microplate provided in this kit has been pre-coated with an antibody specific to NLR Family, Pyrin Domain Containing Protein 3 (NLRP3). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to NLR Family, Pyrin Domain Containing Protein 3 (NLRP3). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the NLR Family, Pyrin Domain Containing Protein 3 (NLRP3) level in the sample or standard.
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	1784638299
NCBI Accession #	NP_899632
NCBI GenBank Nucleotide #	NP_899632.2
UniProt Accession #	Q96P20
NCBI Official Full Name	NACHT, LRR and PYD domains-containing protein 3 isoform b
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
UniProt Entry Name	NALP3_HUMAN

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-clia-kits/nlr-family-pyrin-domain-containing-protein-3-nlrp3/189126>