

Human NLR family, pyrin domain containing 3 ELISA Kit | NLRP3 elisa kit

Human NACHT, LRR and PYD domains-containing protein 3, NLRP3/C1orf7/CIAS1/NALP3/PYPAF1 ELISA Kit

CATALOG #
AAA18145

REACTIVITY
Human

PRODUCT SYNONYMS

NLR family; pyrin domain containing 3; Human NACHT; LRR and PYD domains-containing protein 3; NLRP3/C1orf7/CIAS1/NALP3/PYPAF1 ELISA Kit; LRR and PYD domains-containing protein 3 (NLRP3/C1orf7/CIAS1/NALP3/PYPAF1) ELISA kit; AGTAVPRL; AII; AII/AVP; AVP; C1orf7; CIAS1; CLR1.1; FCAS; FCU; FLJ95925; MWS; NALP3; PYPAF1; AII/AVP receptor-like; NACHT domain-; leucine-rich repeat-; and PYD-containing protein 3; NACHT; LRR and PY; NLRP3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human NLRP3. No significant cross-reactivity or interference between human NLRP3 and analogues was observed.
Sequence Length	1036
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates
Detection Range	0.156 ng/ml-10 ng/ml
Sensitivity	< 0.039 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NLRP3 elisa kit

Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for NLRP3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any NLRP3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for NLRP3 is added to the wells. After washing, avidin 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 NLRP3 bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119395764
NCBI GeneID	114548
NCBI Accession #	NP_001073289.1
NCBI GenBank Nucleotide #	NM_001079821.2
UniProt Accession #	Q96P20; O75434; Q17RS2; Q59H68; Q5JQS8; Q5JQS9; Q6TG35; Q8TCW0; B2RC97; B7ZKS9; B7ZKT2; B7ZKT3
Molecular Weight	118,173 Da
NCBI Official Full Name	NACHT, LRR and PYD domains-containing protein 3 isoform a
NCBI Official Synonym Full Names	NLR family, pyrin domain containing 3
NCBI Official Symbol	NLRP3
NCBI Official Synonym Symbols	AlI; AVP; FCU; MWS; FCAS; CIAS1; NALP3; C1orf7; CLR1.1; PYPAF1; AGTAVPRL
NCBI Protein Information	NACHT, LRR and PYD domains-containing protein 3; cryopyrin; caterpillar protein 1.1; PYRIN-containing APAF1-like protein 1; NACHT, LRR and PYD containing protein 3; cold autoinflammatory syndrome 1 protein; NACHT domain-, leucine-rich repeat-, and PYD-containing protein 3; nucleotide-binding oligomerization domain, leucine rich repeat and pyrin domain containing 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
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/nlrp3-human-elisa-kits/nlr-family-pyrin-domain-containing-3/18145>