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

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

CATALOG #	REACTIVITY	APPLICATIONS
AAA189598	**Mouse**	**ELISA**

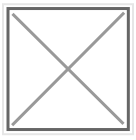
PRODUCT SYNONYMS

NLR Family; Pyrin Domain Containing Protein 3 (NLRP3); Mouse NLR Family; Pyrin Domain Containing Protein 3 (NLRP3)(Sandwich ELISA) ELISA Kit; ELISA Kit for NLR Family; NLRP3/NLR Family; 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; Caterpiller-Like Receptor 1.1; NLRP3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
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	Quantitative Sandwich
Samples	Mouse tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.117ng/mL
Applicable Applications for NLRP3 elisa kit	ELISA
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	Store at 4 degree C for 1 month/ -20 degree C for long-term (within shelf life). 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. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of NLRP3 in mouse tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for NLRP3 elisa kit	Metabolic pathway; Cardiovascular biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	22003870
NCBI GeneID	216799
NCBI Accession #	NP_665826.1
NCBI GenBank Nucleotide #	NM_145827.3
UniProt Accession #	T1W2H6; Q1JQ87; Q1JQ88; Q6JEL0; Q8R4B8
Molecular Weight	118,275 Da
NCBI Official Full Name	NACHT, LRR and PYD domains-containing protein 3
NCBI Official Synonym Full Names	NLR family, pyrin domain containing 3
NCBI Official Symbol	Nlrp3
NCBI Official Synonym Symbols	FCU; MWS; FCAS; Cias1; Mmig1; NALP3; Pypaf1; AII/AVP; AGTAVPRL
NCBI Protein Information	NACHT, LRR and PYD domains-containing protein 3; cryopyrin; PYRIN-containing APAF1-like protein 1; cold autoinflammatory syndrome 1 homolog; mast cell maturation inducible protein 1; NACHT/LRR/pyrin domain-containing protein 3; cold autoinflammatory syndr
UniProt Protein Name	NACHT, LRR and PYD domains-containing protein 3
UniProt Gene Name	**Nlrp3**
UniProt Synonym Gene Names	Cias1; Mmig1; Nalp3; Pypaf1

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/mouse-elisa-kits/nlr-family-pyrin-domain-containing-protein-3-nlrp3/189598