

Human NLR Family, Pyrin Domain Containing Protein 7 (NLRP7) ELISA Kit | NLRP7 elisa kit

Human NLR Family, Pyrin Domain Containing Protein 7 (NLRP7) High Sensitivity ELISA Kit

CATALOG # AAA149199	REACTIVITY Human
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PRODUCT SYNONYMS

NLR Family; Pyrin Domain Containing Protein 7 (NLRP7); Human NLR Family; Pyrin Domain Containing Protein 7 (NLRP7) High Sensitivity ELISA Kit; NALP7; PYPAF3; NOD12; PAN7; CLR19.4; Nucleotide-Binding Oligomerization Domain; Leucine Rich Repeat And Pyrin Domain Containing 7; PYRIN-containing APAF1-like 3; NLRP7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of NLRP7. No significant cross-reactivity or interference between NLRP7 and analogues was observed.
Sequence Length	1062
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	31.2-2,000pg/mL
Sensitivity	11.7pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level NLRP7 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 NLRP7 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 NLRP7 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of NLRP7 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 NLRP7. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to NLRP7. 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 NLRP7, 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 NLRP7 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for NLRP7 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	13097798
NCBI GeneID	55655
Molecular Weight	118,138 Da
NCBI Official Full Name	NLR family, pyrin domain containing 2
NCBI Official Synonym Full Names	NLR family pyrin domain containing 2
NCBI Official Symbol	NLRP2
NCBI Official Synonym Symbols	NBS1; PAN1; NALP2; PYPAF2; CLR19.9
NCBI Protein Information	NACHT, LRR and PYD domains-containing protein 2
UniProt Protein Name	NACHT, LRR and PYD domains-containing protein 2
UniProt Gene Name	NLRP2
UniProt Synonym Gene Names	NALP2; NBS1; PAN1; PYPAF2

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-elisa-kits/nlr-family-pyrin-domain-containing-protein-7-nlrp7/149199>