

Human NLR family, pyrin domain containing 1 ELISA Kit | NLRP1 elisa kit

Human NACHT, LRR and PYD domains-containing protein 1, NLRP1 ELISA Kit

CATALOG #
AAA18206

REACTIVITY
Human

PRODUCT SYNONYMS

NLR family; pyrin domain containing 1; Human NACHT; LRR and PYD domains-containing protein 1; NLRP1 ELISA Kit; LRR and PYD domains-containing protein 1 (NLRP1) ELISA kit; CARD7; CLR17.1; DEFCAP; DEFCAP-L/S; DKFZp586O1822; KIAA0926; NAC; NALP1; PP1044; SLEV1; VAMAS1; NACHT; LRR and PYD containing protein 1; leucine rich repeat and PYD (pyrin domain) containing 1; NLRP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human NLRP1. No significant cross-reactivity or interference between human NLRP1 and analogues was observed.
Sequence Length	1,473
Samples	Serum, plasma, tissue homogenates, cell lysates
Assay Type	Quantitative Sandwich
Detection Range	18.75 pg/ml-1200 pg/ml
Sensitivity	< 4.67 pg/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 NLRP1 elisa kit

Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for NLRP1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any NLRP1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for NLRP1 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 NLRP1 bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	74271814
NCBI GeneID	22861
NCBI Accession #	NP_001028225.1
NCBI GenBank Nucleotide #	NM_001033053.2
UniProt Accession #	Q9C000; Q9BZZ8; Q9BZZ9; Q9H5Z7; Q9H5Z8; Q9HAV8; Q9UFT4; Q9Y2E0; E9PE50; I6L9D9
Molecular Weight	165,866 Da
NCBI Official Full Name	NACHT, LRR and PYD domains-containing protein 1 isoform 5
NCBI Official Synonym Full Names	NLR family, pyrin domain containing 1
NCBI Official Symbol	NLRP1
NCBI Official Synonym Symbols	NAC; CARD7; CIDED; NALP1; SLEV1; DEFCAP; PP1044; VAMAS1; CLR17.1; DEFCAP-L/S
NCBI Protein Information	NACHT, LRR and PYD domains-containing protein 1; caspase recruitment domain protein 7; NACHT, LRR and PYD containing protein 1; NACHT, leucine rich repeat and PYD containing 1; caspase recruitment domain-containing protein 7; nucleotide-binding domain and caspase recruitment domain; death effector filament-forming Ced-4-like apoptosis protein; NACHT, leucine rich repeat and PYD (pyrin domain) containing 1; nucleotide-binding oligomerization domain, leucine rich repeat and pyrin domain containing 1
UniProt Protein Name	NACHT, LRR and PYD domains-containing protein 1
UniProt Gene Name	NLRP1
UniProt Synonym Gene Names	CARD7; DEFCAP; KIAA0926; NAC; NALP1
UniProt Entry Name	NALP1_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/nlrp1-human-elisa-kits/nlr-family-pyrin-domain-containing-1/18206>