

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



Catalog No: #EK11200

Orders: order@signalwayantibody.com

Package Size: #EK11200-1 48T #EK11200-2 96T

Support: tech@signalwayantibody.com

## Description

Product Name	Human NACHT, LRR and PYD domains-containing protein 1 (NLRP1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	CARD7; CLR17.1; DEFCAP; DEFCAP-L/S; DKFZp586O1822; KIAA0926; NAC; NALP1; PP1044; SLEV1; VAMAS1; NACHT; LRR and PYD containing protein 1 NACHT; leucine rich repeat and PYD (pyrin domain) containing 1
Accession No.	Q9C000
Uniprot	Q9C000
GeneID	22861;
Storage	The stability of ELISA 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.  The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

## Application Details

Detect Range:78.1-5000 pg/mL

Sensitivity:40 pg/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

**Detection Method:**SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate NLRP1 in samples. An antibody specific for NLRP1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyNLRP1 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, Streptavidin 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.**Product Overview:**NLRP1 encodes a member of the Ced-4 family of apoptosis proteins. Ced-family members contain a caspase recruitment domain (CARD) and are known to be key mediators of programmed cell death. The encoded protein contains a distinct N-terminal pyrin-like motif, which is possibly involved in protein-protein interactions. This protein interacts strongly with caspase 2 and weakly with caspase 9. Overexpression of this gene was demonstrated to induce apoptosis in cells. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene, but the biological validity of some variants has not been determined.Widely expressed. Isoforms 1 and

2 are expressed in peripheral blood leukocytes and chronic myelogenous leukemia cell line K-562, followed by thymus, spleen and heart.

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Note: This product is for in vitro research use only