

Human Nucleotide Binding Oligomerization Domain Containing Protein 2 (NOD2) CLIA Kit | NOD2 clia kit

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CATALOG # AAA189127	REACTIVITY Human	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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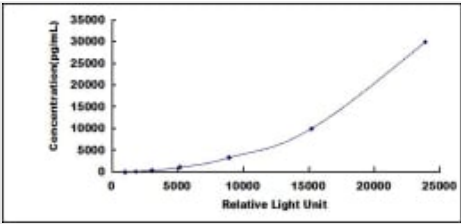
PRODUCT SYNONYMS

Nucleotide Binding Oligomerization Domain Containing Protein 2 (NOD2); Human Nucleotide Binding Oligomerization Domain Containing Protein 2 (NOD2) CLIA Kit; Nucleotide Binding Oligomerization Domain Containing Protein 2; CD; ACUG; BLAU; CARD15; CLR16.3; IBD1; NLRC2; NOD2B; PSORAS1; Caspase recruitment domain-containing protein 15; Inflammatory bowel disease protein 1; NOD2 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Nucleotide Binding Oligomerization Domain Containing Protein 2 (NOD2). No significant cross-reactivity or interference between Nucleotide Binding Oligomerization Domain Containing Protein 2 (NOD2) and analogues was observed.
Sequence Length	1040
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, cell lysates and other biological fluids
Detection Range	41.2-30,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 17.4pg/mL
Applicable Applications for NOD2 clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Nucleotide Binding Oligomerization Domain Containing Protein 2 (NOD2) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Nucleotide Binding Oligomerization Domain Containing Protein 2 (NOD2) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The microplate provided in this kit has been pre-coated with an antibody specific to Nucleotide Binding Oligomerization Domain Containing Protein 2 (NOD2). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Nucleotide Binding Oligomerization Domain Containing Protein 2 (NOD2). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Nucleotide Binding Oligomerization Domain Containing Protein 2 (NOD2) level in the sample or standard.
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	20137973
NCBI GeneID	64127
UniProt Accession #	Q9HC29
NCBI Official Full Name	Nucleotide-binding oligomerization domain-containing protein 2
NCBI Official Synonym Full Names	nucleotide binding oligomerization domain containing 2
NCBI Official Symbol	NOD2
NCBI Official Synonym Symbols	CD; ACUG; BLAU; IBD1; YAOS; BLAUS; NLRC2; NOD2B; CARD15; CLR16.3; PSORAS1
NCBI Protein Information	nucleotide-binding oligomerization domain-containing protein 2
UniProt Protein Name	Nucleotide-binding oligomerization domain-containing protein 2
UniProt Gene Name	NOD2
UniProt Synonym Gene Names	CARD15; IBD1
UniProt Entry Name	NOD2_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/human-clia-kits/nucleotide-binding-oligomerization-domain-containing-protein-2-nod2/189127>