

Human Nucleotide Binding Oligomerization Domain Containing Protein 2 (NOD2) ELISA Kit | NOD2 elisa kit

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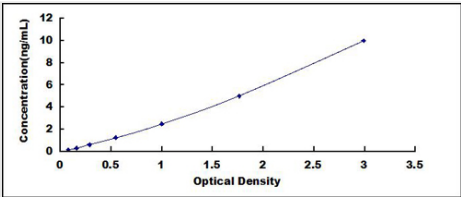
CATALOG # AAA187650	REACTIVITY Human
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PRODUCT SYNONYMS

Nucleotide Binding Oligomerization Domain Containing Protein 2 (NOD2); Human Nucleotide Binding Oligomerization Domain Containing Protein 2 (NOD2) ELISA Kit; CD; ACUG; BLAU; CARD15; CLR16.3; IBD1; NLRC2; NOD2B; PSORAS1; Caspase recruitment domain-containing protein 15; Inflammatory bowel disease protein 1; NOD2 elisa 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	0.156-10ng/mL
Sensitivity	< 0.055ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
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%
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.



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NOD2 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate 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 microtiter plate 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. After TMB substrate solution is added, only those wells that contain Nucleotide Binding Oligomerization Domain Containing Protein 2 (NOD2), 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 Nucleotide Binding Oligomerization Domain Containing Protein 2 (NOD2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	11545912
NCBI GeneID	64127
NCBI Accession #	NP_071445.1
NCBI GenBank Nucleotide #	NM_022162.2
UniProt Accession #	Q9HC29; Q96RH5; Q96RH6; Q96RH8; E2JEQ6
Molecular Weight	22,403 Da
NCBI Official Full Name	nucleotide-binding oligomerization domain-containing protein 2 isoform 1
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

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.