



# Human Nucleotide-binding oligomerization domain-containing protein 2(NOD2) ELISA kit

<b>Product Code</b>	CSB-EL015915HU
<b>Abbreviation</b>	NOD2
<b>Target Name</b>	nucleotide-binding oligomerization domain containing 2
<b>Uniprot No.</b>	Q9HC29
<b>Alias</b>	ACUG, BLAU, CARD15, CD, CLR16.3, IBD1, NLRC2, NOD2B, PSORAS1, NLR family, CARD domain containing 2 NOD-like receptor C2 caspase recruitment domain family, member 15 caspase recruitment domain protei
<b>Product Type</b>	ELISA Kit
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Sample Types</b>	serum, plasma, ascitic fluid, tissue homogenates, cell lysates
<b>Detection Range</b>	25 pg/mL-1600 pg/mL
<b>Sensitivity</b>	6.25 pg/mL
<b>Assay Time</b>	1-5h
<b>Sample Volume</b>	50-100ul
<b>Detection Wavelength</b>	450 nm
<b>Lead Time</b>	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
<b>Research Area</b>	Cell Biology
<b>Gene Names</b>	NOD2
<b>Tag Info</b>	quantitative
<b>Protein Description</b>	Sandwich
<b>Description</b>	This Human NOD2 ELISA Kit was designed for the quantitative measurement of Human NOD2 protein in serum, plasma, ascitic fluid, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 25 pg/mL-1600 pg/mL and the sensitivity is 6.25 pg/mL.
<b>Target Details</b>	This gene is a member of the Nod1/Apaf-1 family and encodes a protein with two caspase recruitment (CARD) domains and six leucine-rich repeats (LRRs). The protein is primarily expressed in the peripheral blood leukocytes. It plays a role in the immune response to intracellular bacterial lipopolysaccharides (LPS) by recognizing the muramyl dipeptide (MDP) derived from them and activating the NFκB protein. Mutations in this gene have been associated with Crohn disease and Blau syndrome.
<b>Product Precision</b>	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 (Precision between assays): CV%<10%

Three samples of known concentration were tested in twenty assays to assess.

## Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of Human NOD2 in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

	Sample	Serum(n=4)
1:1	Average %	89
	Range %	84-95
1:2	Average %	96
	Range %	90-102
1:4	Average %	93
	Range %	87-99
1:8	Average %	97
	Range %	93-103

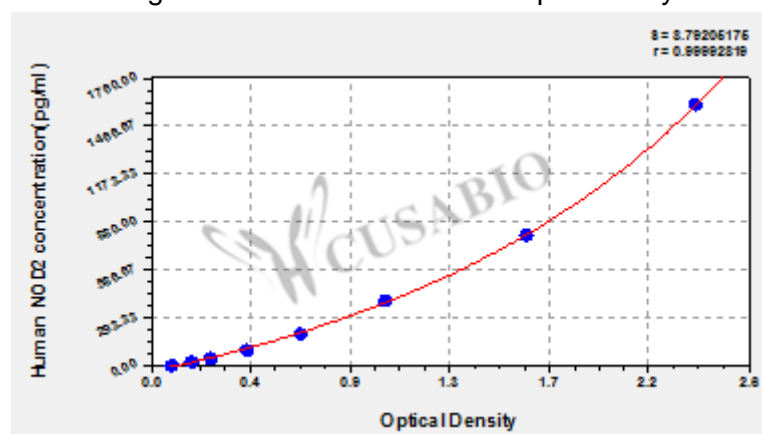
## Recovery

The recovery of Human NOD2 spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	94	88-98
EDTA plasma (n=4)	88	82-94

## Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



pg/ml	OD1	OD2	Average	Corrected
1600	2.355	2.417	2.386	2.286
800	1.624	1.667	1.646	1.546
400	0.987	1.075	1.031	0.931
200	0.658	0.668	0.663	0.563
100	0.426	0.426	0.426	0.326
50	0.277	0.268	0.273	0.173
25	0.185	0.186	0.186	0.086
0	0.099	0.101	0.100	

## Msds

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EL015915HU.pdf", "filename": "MSDS"}}}