



NOD2 blocking peptide (CDBP5833)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jun 2014]
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Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	NOD2 nucleotide-binding oligomerization domain containing 2 [Homo sapiens (human)]
Official Symbol	NOD2
Synonyms	NOD2; nucleotide-binding oligomerization domain containing 2; CD; ACUG; BLAU; IBD1; NLRC2; NOD2B; CARD15; CLR16.3; PSORAS1; nucleotide-binding oligomerization domain-containing protein 2; NOD-like receptor C2; NLR family, CARD domain containing 2;

inflammatory bowel disease protein 1; caspase recruitment domain protein 15; nucleotide-binding oligomerization domain 2; caspase recruitment domain family, member 15; caspase recruitment domain-containing protein 15; nucleotide-binding oligomerization domain, leucine rich repeat and CARD domain containing 2

Entrez Gene ID	64127
mRNA Refseq	NM_001293557
Protein Refseq	NP_001280486
UniProt ID	Q9HC29
Pathway	Activated TLR4 signalling; Canonical NF-kappaB pathway; Cytokine Signaling in Immune system; Immune System; Inflammatory bowel disease (IBD); Innate Immune System; Interleukin-1 signaling; JNK (c-Jun kinases) phosphorylation and activation mediated by activated human TAK1
Function	ATP binding; CARD domain binding; enzyme binding; muramyl dipeptide binding; peptidoglycan binding; protein binding; protein kinase binding