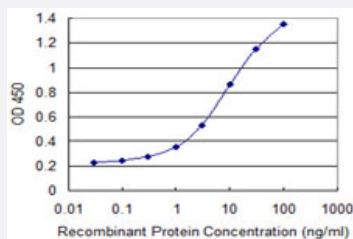


NOD1 monoclonal antibody (M01), clone 3F10

Catalog # H00010392-M01

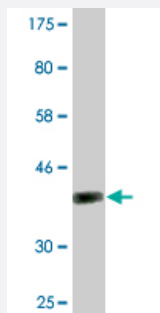
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NOD1 is 0.1 ng/ml as a capture antibody.



Western Blot detection against Immunogen (35.97 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant NOD1.

Immunogen

NOD1 (AAH40339, 1 a.a. ~ 93 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MEEQGHSEMEIIPSESHPHIQLLKSNRELLVTHIRNTQCLVDNLLKNDYFSAEDAIVCACPTQPKVRKILDLVQSKGEEVSEFFLYLLQQL

Host

Mouse

Reactivity

Human

Isotype

IgG2b Lambda

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (35.97 KDa) .

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NOD1 is 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — NOD1

Entrez GeneID

[10392](#)

GeneBank Accession#

[BC040339](#)

Protein Accession#

[AAH40339](#)

Gene Name

NOD1

Gene Alias

CARD4, CLR7.1, NLRC1

Gene Description

nucleotide-binding oligomerization domain containing 1

Omim ID

[605980](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

CARD domain containing 1|caspase recruitment domain 4|caspase recruitment domain family

Other Designations

NLR family, CARD domain containing 1|caspase recruitment domain 4|caspase recruitment domain family, member 4|nucleotide-binding oligomerization domain, leucine rich repeat and CARD domain containing 1

Publication Reference

- [L-Ala-y-D-Glu-meso-diaminopimelic acid \(DAP\) interacts directly with leucine-rich region domain of nucleotide-binding oligomerization domain 1, increasing phosphorylation activity of receptor-interacting serine/threonine-protein kinase 2 and its interaction with nucleotide-binding oligomerization domain 1.](#)

Laroui H, Yan Y, Narui Y, Ingersoll SA, Ayyadurai S, Charania MA, Zhou F, Wang B, Salaita K, Sitaraman SV, Merlin D.

The Journal of Biological Chemistry 2011 Sep; 286(35):31003.

Application: WB-Ce, Human, Caco2-BBE cells

Pathway

- [Epithelial cell signaling in Helicobacter pylori infection](#)

Disease

- [Adenocarcinoma](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Bacteremia](#)
- [Birth Weight](#)
- [Bronchial Hyperreactivity](#)
- [Cardiovascular Diseases](#)
- [Chlamydophila Infections](#)
- [Cholangitis](#)
- [Chronic Disease](#)
- [Colitis](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)

- [Crohn Disease](#)
- [Dermatitis](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Duodenal Ulcer](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Gastritis](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Helicobacter Infections](#)
- [Hypersensitivity](#)
- [Inflammation](#)
- [Inflammatory Bowel Diseases](#)
- [Leukemia](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Metaplasia](#)
- [Multiple Sclerosis](#)
- [Periodontitis](#)
- [Rhinitis](#)
- [Sarcoidosis](#)
- [Stroke](#)