

**Anti-MyD88 Monoclonal Antibody**  
**Catalog # ABO14376****Specification**

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**Anti-MyD88 Monoclonal Antibody - Product Information**

Application	WB, IHC, IF, ICC, FC
Primary Accession	<a href="#">Q99836</a>
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid

**Description**

Anti-MyD88 Monoclonal Antibody . Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human.

**Anti-MyD88 Monoclonal Antibody - Additional Information**

**Gene ID** 4615

**Other Names**

Myeloid differentiation primary response protein MyD88, MYD88 ([http://www.genenames.org/cgi-bin/gene\\_symbol\\_report?hgnc\\_id=7562](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=7562))  
HGNC:7562

**Application Details**

WB 1:1000-1:2000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200<br>FC 1:100

**Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen**

A synthesized peptide derived from human MyD88 Members of the Toll-like receptor (TLR) family, named for the closely related Toll receptor in Drosophila, play a pivotal role in innate immune responses. TLRs recognize conserved motifs found in various pathogens and mediate defense responses. Triggering of the TLR pathway leads to the activation of NF- Kappa B and subsequent regulation of immune and inflammatory genes.

**Purification**

Affinity-chromatography

Storage

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

**Anti-MyD88 Monoclonal Antibody - Protein Information**

**Name** MYD88 ([HGNC:7562](#))

### Function

Adapter protein involved in the Toll-like receptor and IL-1 receptor signaling pathway in the innate immune response (PubMed:[15361868](http://www.uniprot.org/citations/15361868), PubMed:[18292575](http://www.uniprot.org/citations/18292575), PubMed:[33718825](http://www.uniprot.org/citations/33718825), PubMed:[37971847](http://www.uniprot.org/citations/37971847)). Acts via IRAK1, IRAK2, IRF7 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response (PubMed:[15361868](http://www.uniprot.org/citations/15361868), PubMed:[19506249](http://www.uniprot.org/citations/19506249), PubMed:[24316379](http://www.uniprot.org/citations/24316379)). Increases IL-8 transcription (PubMed:[9013863](http://www.uniprot.org/citations/9013863)). Involved in IL-18-mediated signaling pathway. Activates IRF1 resulting in its rapid migration into the nucleus to mediate an efficient induction of IFN-beta, NOS2/INOS, and IL12A genes. Upon TLR8 activation by GU-rich single-stranded RNA (GU-rich RNA) derived from viruses such as SARS-CoV-2, SARS-CoV and HIV-1, induces IL1B release through NLRP3 inflammasome activation (PubMed:[33718825](http://www.uniprot.org/citations/33718825)). MyD88-mediated signaling in intestinal epithelial cells is crucial for maintenance of gut homeostasis and controls the expression of the antimicrobial lectin REG3G in the small intestine (By similarity).

### Cellular Location

Cytoplasm. Nucleus

### Tissue Location

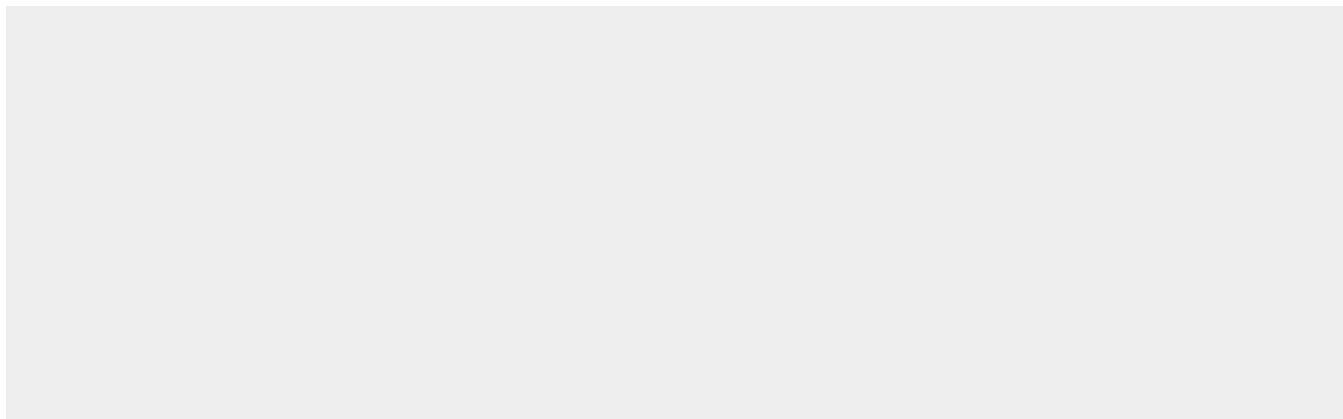
Ubiquitous..

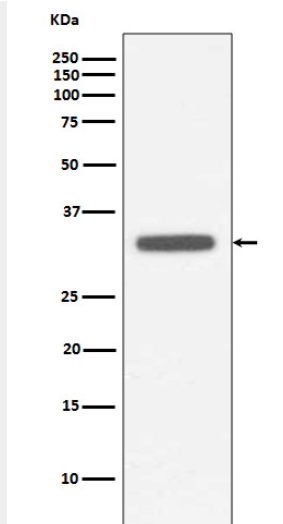
## Anti-MyD88 Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

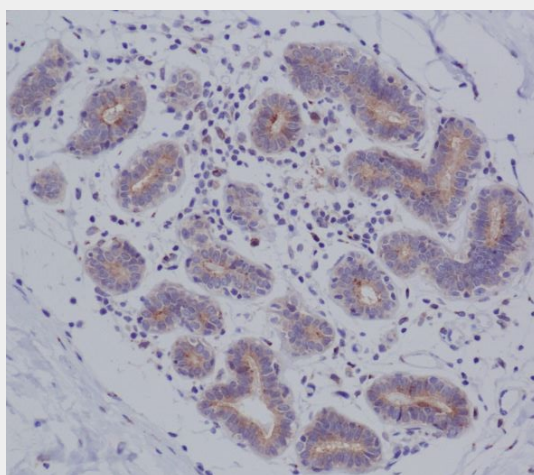
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Anti-MyD88 Monoclonal Antibody - Images

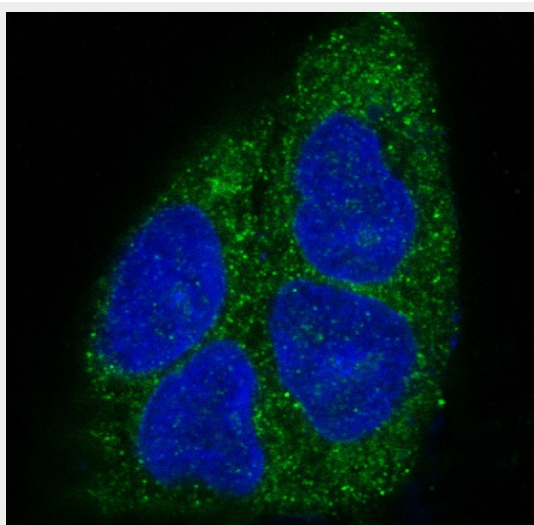




Western blot analysis of MyD88 expression in Raji cell lysate.



Immunohistochemical analysis of paraffin-embedded human breast cancer, using MyD88 Antibody.



Immunofluorescent analysis of A549 cells, using MyD88 Antibody.