

## Product datasheet for CF502118

### MYD88 Mouse Monoclonal Antibody [Clone ID: OT1B8]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OT1B8
Applications:	FC, IF, WB
Recommended Dilution:	WB 1:1000~2000, IHC 1:150, IF 1:100, FLOW 1:100
Reactivity:	Human, Rat, Monkey
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human MYD88 (NP_002459) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	33.1 kDa
Gene Name:	MYD88 innate immune signal transduction adaptor
Database Link:	<a href="#">NP_002459</a> <a href="#">Entrez Gene 301059 Rat</a> <a href="#">Entrez Gene 696494 Monkey</a> <a href="#">Entrez Gene 4615 Human</a> <a href="#">Q99836</a>


[View online »](#)

**Background:**

This gene encodes a cytosolic adapter protein that plays a central role in the innate and adaptive immune response. This protein functions as an essential signal transducer in the interleukin-1 and Toll-like receptor signaling pathways. These pathways regulate that activation of numerous proinflammatory genes. The encoded protein consists of an N-terminal death domain and a C-terminal Toll-interleukin1 receptor domain. Patients with defects in this gene have an increased susceptibility to pyogenic bacterial infections. Alternate splicing results in multiple transcript variants. [provided by RefSeq]

**Synonyms:**

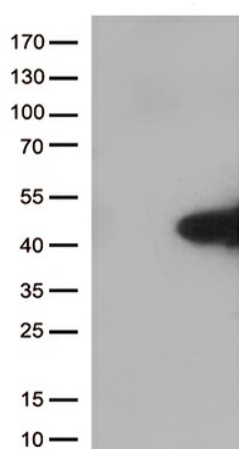
MYD88D

**Protein Families:**

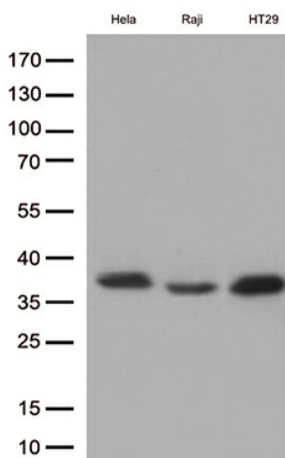
Druggable Genome

**Protein Pathways:**

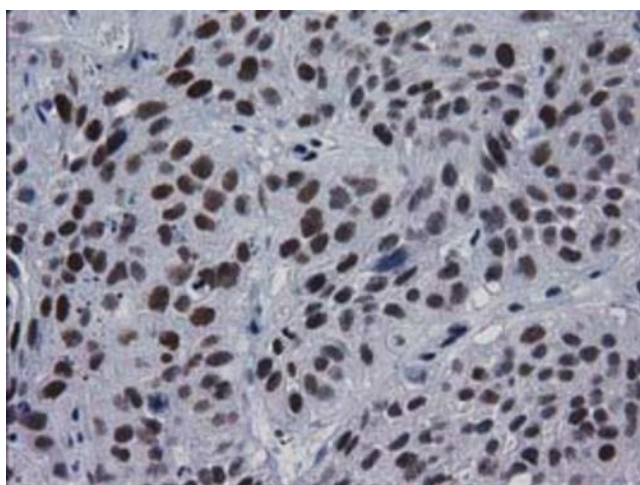
Apoptosis, Toll-like receptor signaling pathway

**Product images:**


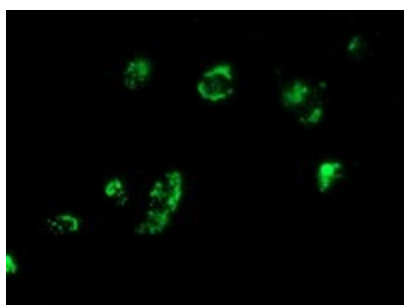
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY MYD88 ([RC202253], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-MYD88 (1:500).



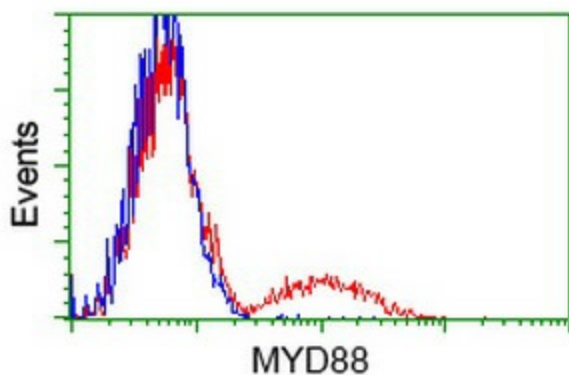
Western blot analysis of extracts (35ug) from 3 cell lines lysates by using anti-MYD88 monoclonal antibody (1:500).



Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-MYD88 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Anti-MYD88 mouse monoclonal antibody ([TA502118]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY MYD88 ([RC202253]) (1:100).



HEK293T cells transfected with either [RC202253] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-MYD88 antibody ([TA502118]), and then analyzed by flow cytometry (1:100).