

Product datasheet for **CF502118**

MYD88 Mouse Monoclonal Antibody [Clone ID: OTI1B8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1B8
Applications:	FC, IF, WB
Recommended Dilution:	WB 1:1000~2000, IHC 1:150, IF 1:100, FLOW 1:100
Reactivity:	Human, Monkey, Rat
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)
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	33.1 kDa
Gene Name:	Homo sapiens MYD88 innate immune signal transduction adaptor (MYD88), transcript variant 2, mRNA.
Database Link:	<u>NP_002459</u> <u>Entrez Gene 301059</u> <u>RatEntrez Gene 696494</u> <u>MonkeyEntrez Gene 4615</u> <u>Human</u>



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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:

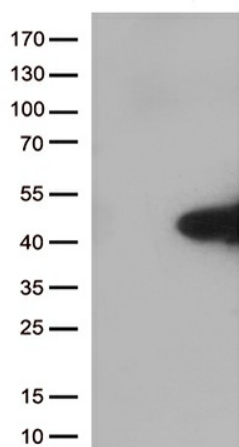
MYD88D

Protein Families:

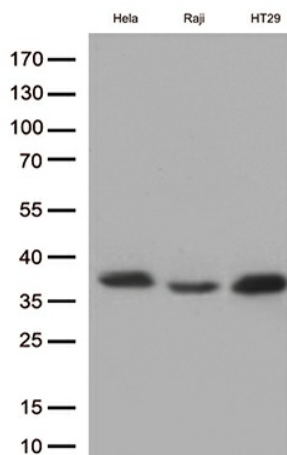
Druggable Genome

Protein Pathways:

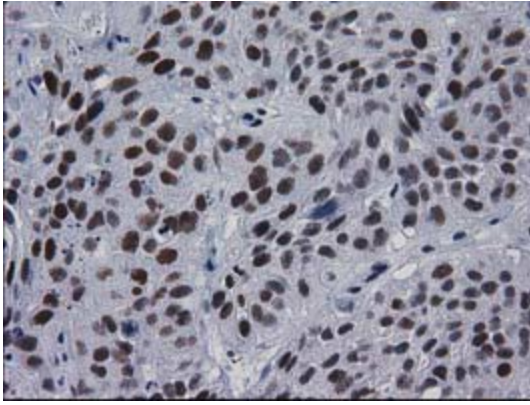
Apoptosis, Toll-like receptor signaling pathway

Product images:

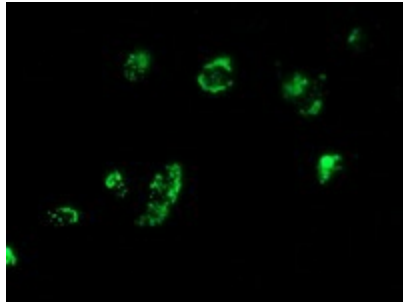
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY MYD88 ([RC202253], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-MYD88 (1:500).



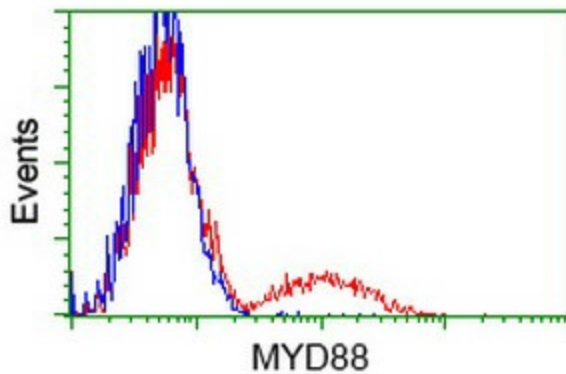
Western blot analysis of extracts (35ug) from 3 cell lines lysates by using anti-MYD88 monoclonal antibody (1:500).



Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-MYD88 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA502118])



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).