

## Product datasheet for **TA502104**

### MYD88 Mouse Monoclonal Antibody [Clone ID: OTI1B4]

#### Product data:

|                         |                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------|
| Product Type:           | Primary Antibodies                                                                                        |
| Clone Name:             | OTI1B4                                                                                                    |
| Applications:           | FC, IF, WB                                                                                                |
| Recommended Dilution:   | WB 1:2000, IF 1:100, FLOW 1:100                                                                           |
| Reactivity:             | Human                                                                                                     |
| Host:                   | Mouse                                                                                                     |
| Isotype:                | IgG2a                                                                                                     |
| Clonality:              | Monoclonal                                                                                                |
| Immunogen:              | Full length human recombinant protein of human MYD88 (NP_002459) produced in HEK293T cell.                |
| Formulation:            | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.                                      |
| Concentration:          | 1 mg/ml                                                                                                   |
| 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><br><a href="#">Entrez Gene 4615 Human</a><br><a href="#">Q99836</a>             |



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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:**

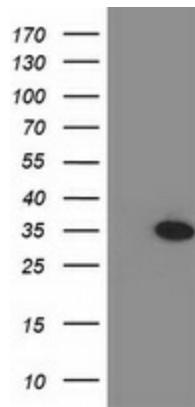
MYD88D

**Protein Families:**

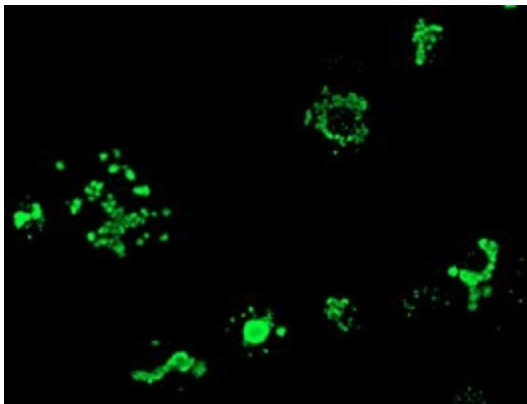
Druggable Genome

**Protein Pathways:**

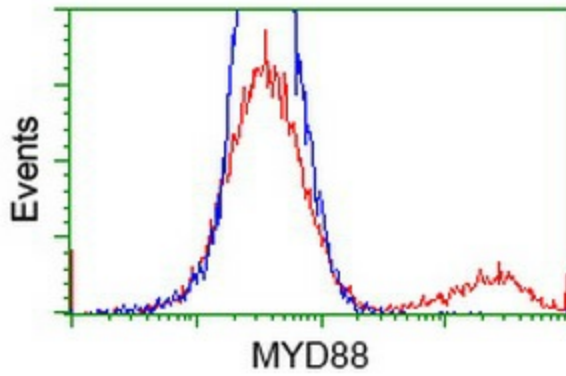
Apoptosis, Toll-like receptor signaling pathway

**Product images:**

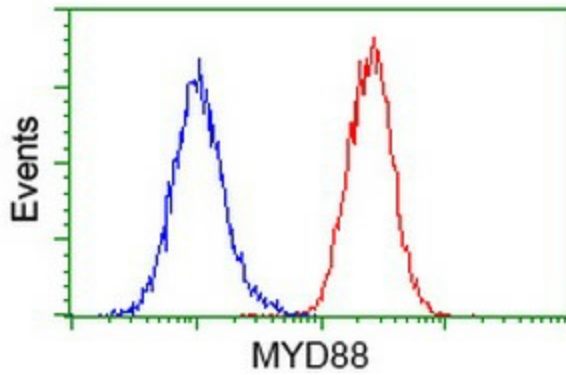
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY MYD88 [RC229151], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-MYD88. Positive lysates [LY432175] (100ug) and [LC432175] (20ug) can be purchased separately from OriGene.



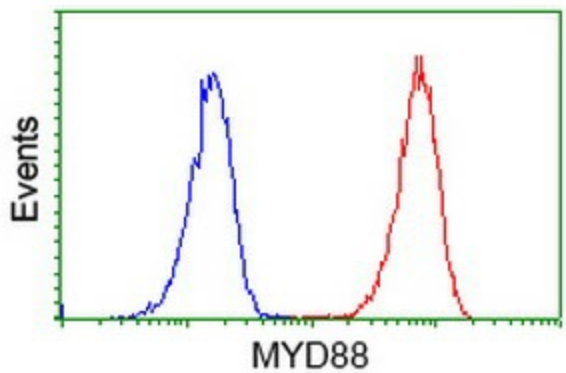
Anti-MYD88 mouse monoclonal antibody (TA502104) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY MYD88 [RC202253].



HEK293T cells transfected with either [RC202253] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-MYD88 antibody (TA502104), and then analyzed by flow cytometry.



Flow cytometric Analysis of HeLa cells, using anti-MYD88 antibody (TA502104), (Red), compared to a nonspecific negative control antibody, (Blue).



Flow cytometric Analysis of Jurkat cells, using anti-MYD88 antibody (TA502104), (Red), compared to a nonspecific negative control antibody, (Blue).