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# Datasheet for ABIN652460 anti-MYD88 antibody (AA 136-164)

3 Images

2 Publications



### Overview

| Quantity:            | 200 µL  |
|----------------------|---|
| Target:              | MYD88   |
| Binding Specificity: | AA 136-164  |
| Reactivity:          | Human, Mouse  |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal  |
| Conjugate:           | This MYD88 antibody is un-conjugated  |
| Application:         | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS) |

## Product Details

| Immunogen:            | This MyD88 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 136-164 amino acids from the Central region of human MyD88. |
|-----------------------|---|
| Clone:                | RB21010   |
| lsotype:              | Ig Fraction   |
| Predicted Reactivity: | Pr  |
| Purification:         | This antibody is purified through a protein A column, followed by peptide affinity purification.  |
| Target Details        |   |

Target:

MYD88

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| Target Details    |   |
|-------------------|---|
| Alternative Name: | MyD88 (MYD88 Products)  |
| Background:       | Adapter protein involved in the Toll-like receptor and IL-1 receptor signaling pathway in the innate immune response. It acts via IRAK1, IRAK2 and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response and increases IL-8 transcription. It may be involved in myeloid differentiation. |
| Molecular Weight: | 33233   |
| Gene ID:          | 4615  |
| NCBI Accession:   | NP_001166037, NP_001166039, NP_001166040, NP_002459   |
| UniProt:          | Q99836  |
| Pathways:         | NF-kappaB Signaling, TLR Signaling, Neurotrophin Signaling Pathway, Activation of Innate<br>immune Response, Cellular Response to Molecule of Bacterial Origin, Positive Regulation of<br>Immune Effector Process, Production of Molecular Mediator of Immune Response, Toll-Like<br>Receptors Cascades                       |

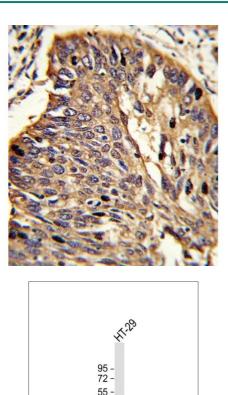
## Application Details

| Application Notes: | WB: 1:2000. IHC-P: 1:10~50. FC: 0.05902777777778   |
|--------------------|--|
| Restrictions:      | For Research Use only  |
| Handling           |  |
| Format:            | Liquid   |
| Buffer:            | Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.   |
| Preservative:      | Sodium azide   |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                     |
| Storage:           | 4 °C,-20 °C  |
| Storage Comment:   | Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles. |
| Expiry Date:       | 6 months   |

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Smith, Wietgrefe, Shang, Reilly, Southern, Perkey, Duan, Kohler, Müller, Robinson, Carlis, Li, Johnson, Haase: "Live simian immunodeficiency virus vaccine correlate of protection: immune complex-inhibitory Fc receptor interactions that reduce target cell availability." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 193, Issue 6, pp. 3126-33, (2014) (PubMed).

#### Images



36 28

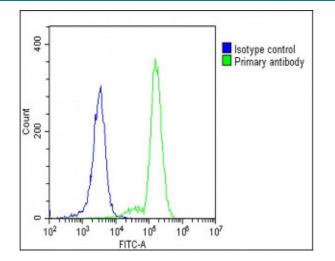
### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Formalin-fixed and paraffin-embedded human lung carcinoma reacted with MyD88 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.

#### Western Blotting

**Image 2.** Anti-MyD88 Antibody (Center) at 1:2000 dilution + HT-29 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 33 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

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#### **Flow Cytometry**

**Image 3.** Overlay histogram showing K562 cells stained with C(green line). The cells were fixed with 2 % paraformaldehyde (10 min) and then permeabilized with 90 % methanol for 10 min. The cells were then icubated in 2 % bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (C, 1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(1583138) at 1/200 dilution for 40 min at 37 °C. Isotype control antibody (blue line) was rabbit IgG1 (1  $\mu$ g/1x10<sup>A</sup>6 cells) used under the same conditions. Acquisition of >10,000 events was performed.

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