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10-3012: Monoclonal antibody to MyD88 (Clone: ABM2H20)

Clonality :	Monoclonal
Clone Name :	ABM2H20
Application :	FACS,WB
Reactivity :	Mouse,Human
Gene :	MYD88
Gene ID :	4615
Uniprot ID :	Q99836
Format :	Purified
Alternative Name :	Myeloid differentiation primary response protein MyD88
Isotype :	Mouse IgG1 Kappa
Immunogen Information :	A partial length recombinant protein of human MyD88 (amino acids 13-221) was used as an immunogen for this antibody.

Description

MyD88 (Myeloid differentiation factor) is an essential adaptor molecule in all TLR (Toll-like receptor) signaling pathways except TLR3. MyD88 is composed of an N-terminal (Death Domain) and a highly conserved C-terminal TIR (Toll/interleukin-1 Receptor) domain. It is found to stimulate IL-1R/IL18R-mediated signaling. MyD88-dependent signaling is also important in the regulation of innate as well as acquired immunity, in particular, T-cell responses, to various microbial pathogens. After activation of TLRs, MyD88 is phosphorylated and subsequently recruits IRAKs (IL-1R Associated Kinases) and other downstream proteins such as TRAF6, finally resulting in activation of the NF-kappaB (nuclear factor kappa B) pathway.

Product Info

Amount :	25 µg / 100 µg
Purification :	Protein G Chromatography
Content :	25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Western blot analysis: 0.1-2 µg/ml; FACS Analysis: 0.5-1 µg/ml

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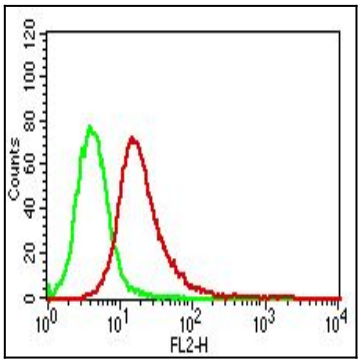

Fig. 1: Intracellular flow analysis of MyD88 in Jurkat using 0.5 µg/10^6 cells of MyD88 antibody (Clone: ABM2H20). Green represents isotype control; red represents anti-MyD88 antibody. Goat anti-mouse PE conjugate was used as secondary antibody.

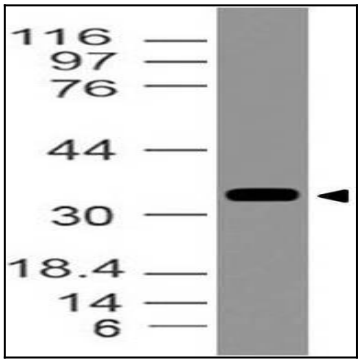

Fig. 2: Western blot analysis of MyD88. Anti-MyD88 antibody (Clone: ABM2H20) was tested at 0.1 µg/ml on h Kidney lysate.

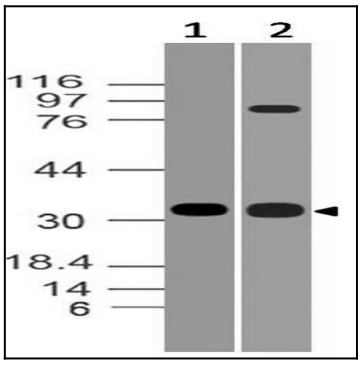

Figure:3- Western blot analysis of MyD88. Anti-MyD88 antibody (Clone: ABM2H20) was tested at 1 µg/ml on (1) Raw and (2) EL-4 lysates.

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