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

Clonality: Monoclonal Clone Name: ABM2H20 Application: **FACS** Reactivity: Human Conjugate: FITC: MYD88 Gene: Gene ID: 4615 **Uniprot ID:** Q99836 Format: Purified

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: 0.2 mg/ ml of Tris buffer containing 0.05% sodium azide.

Storage condition : Store the antibody at 4°C; stable for 6 months.

Application Note

FACS Analysis: 0.5-1 µg/ml

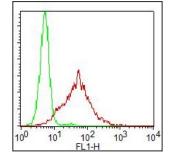


Fig:1-Intracellular flow analysis of MyD88 in PBMC using 0.5 μg/10⁴6 cells. Green represents isotype control (ABEOMICS); red represents FITC conjugated anti-MyD88 antibody (10-3012F).