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10-3002: Monoclonal Antibody to TLR6 (Clone: ABM1B50)

Clonality :	Monoclonal
Clone Name :	ABM1B50
Application :	FACS,WB
Reactivity :	Human
Gene :	TLR6
Gene ID :	10333
Uniprot ID :	Q9Y2C9
Format :	Purified
Alternative Name :	TLR6
Isotype :	Mouse IgG1 Kappa
Immunogen Information :	A partial length recombinant TLR6 protein (amino acids 280-512) was used as the immunogen for this antibody.

Description

TLR6 (Toll-Like Receptors 6) is a member of the TLR (Toll-like receptor) family that plays a fundamental role in pathogen recognition and activation of innate immunity. TLR6 forms heterodimers with TLR1 and TLR2, which is the initial step in a cascade of events leading to significant innate immune responses, development of adaptive immunity to pathogens and protection from immune sequelae related to infection with these pathogens. TLR2 in co-operation with TLR6 trigger inflammatory responses via activation of NF-kappaB, which regulates the transcription of inflammatory molecules. TLR6 has emerged as the most potent activator for ZNPs (Zinc Oxide Nanoparticles)-induced inflammatory responses. Upon silencing, TLR6 significantly inhibited the pro-inflammatory cytokine levels, reactive nitrogen species generation and inducible nitric oxide synthase expression.

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: 2-4 µg/ml; FACS analysis: 0.5-1 µg/10^6 cells

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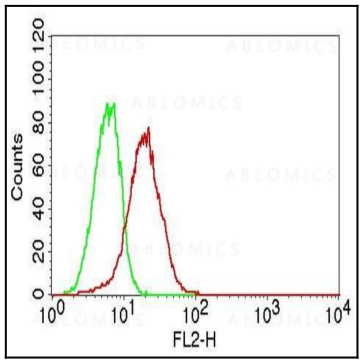


Fig-1: Intracellular flow analysis of TLR6 in THP-1 cells using 0.5 µg/10^6 cells of TLR6 antibody (Clone: ABM1B50). Green represents isotype control; red represents anti-TLR6 antibody. Goat anti-Mouse PE conjugate was used as secondary antibody.

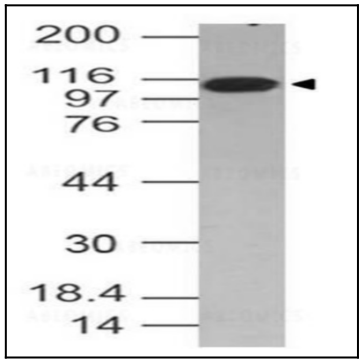


Fig-2: Western blot analysis of TLR6. Anti- TLR6 antibody (Clone: ABM1B50) was used at 2 µg/ml on Jurkat lysate.

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