

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

<b>Clonality :</b>	Monoclonal
<b>Application :</b>	FACS, WB
<b>Reactivity :</b>	Human
<b>Gene :</b>	TLR6
<b>Gene ID :</b>	10333
<b>Uniprot ID :</b>	Q9Y2C9
<b>Format :</b>	Purified
<b>Alternative Name :</b>	TLR6
<b>Isotype :</b>	Mouse IgG1 Kappa
<b>Immunogen Information :</b>	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

<b>Amount :</b>	25 µg / 100 µg
<b>Purification :</b>	Protein G Chromatography
<b>Content :</b>	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.
<b>Storage condition :</b>	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<sup>6</sup> cells

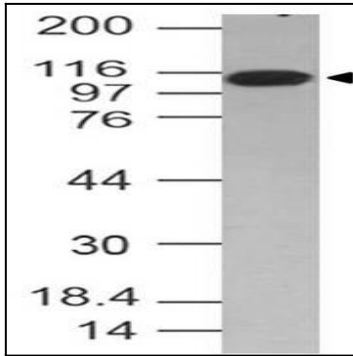


Fig-1: Western blot analysis of TLR6. Anti- TLR6 antibody (Clone: ABM1B50) was used at 2 µg/ml on Jurkat lysate.

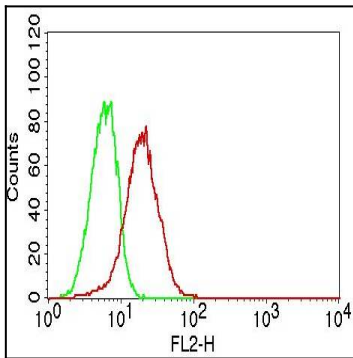


Fig-2: Intracellular flow analysis of TLR6 in THP-1 cells using 0.5 µg/10<sup>6</sup> cells of TLR6 antibody (Clone: ABM1B50). Green represents isotype control; red represents anti-TLR6 antibody. Goat anti-Mouse PE conjugate was used as secondary antibody.