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## 10-3002-NALE: NALE™ 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 :** Azide Free, 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 :** 100 μg

**Purification:** Protein G Chromatography

**Content :** 25  $\mu$ g in 50  $\mu$ l/100  $\mu$ g in 200  $\mu$ l PBS containing no Azide and low endotoxin (0.1 EU/1ug).

**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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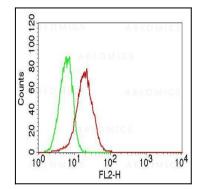


Fig-1: Intracellular flow analysis of TLR6 in THP-1 cells using 0.5  $\mu$ g/10^6 cells of TLR6 antibody (Clone: ABM1B50). Green represents isotype control; red represents anti-TLR6 antibody. Goat anti-Mouse PE conjugate was used as secondary antibody.

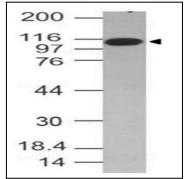


Fig-2: Western blot analysis of TLR6. Anti- TLR6 antibody (Clone: ABM1B50) was used at 2  $\mu$ g/ml on Jurkat lysate.