

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

w abeomics

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982 Email: info@abeomics.com

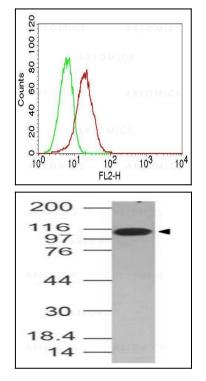


Fig-1: Intracellular flow analysis of TLR6 in THP-1 cells using 0.5 μ g/10^6 cells of TLR6 antibody (Clone: ABM1B50). Green represents isotype control; red represents anti-TLR6 antibody. Goat anti-Mouse PE conjugate was used as secondary antibody.

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