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## 10-3004-F: Monoclonal Antibody to TLR3 (Clone: ABM15D5)-FITC conjugated

Clonality: Monoclonal Clone Name: ABM15D5 Application: **FACS** Reactivity: Human Conjugate: **FITC** TLR3 Gene: Gene ID: 7098 **Uniprot ID:** O15455 Format: Purified TLR3 **Alternative Name:** 

**Isotype:** Mouse IgG1 Kappa

Immunogen Information: A partial length recombinant TLR3 protein (amino acids 25-370) was used as the immunogen for

this antibody.

## **Description**

TLR3 (Toll-Like Receptor-3) acts as a major receptor in virus-mediated innate immune response. This protein belongs to TLR (Toll-like receptor) family which comprises of 10-12 type I integral membrane receptor paralogs that recognize pathogen associated molecular signatures and initiate inflammatory responses. TLR3 consist of pathogen-binding ECD (Ectodomains) and cytoplasmic signaling domains, known as TIR (Toll IL-1 Receptor) domains, joined by a single transmembrane helix. TLR3 specifically senses dsRNA (Double-stranded RNA), an almost universal viral intermediate generated during most viral replications. TLR-3 activation induces multiple cellular antiviral responses, including production of IFN-alpha/beta and upregulation of the anti-HIV cellular factor APOBEC3G. These are a family of pattern recognition receptors expressed by immune cells, including macrophages.

## **Product Info**

**Amount :**  $25 \mu g / 100 \mu g$ 

Purification: Protein G Chromatography

**Content:** 0.2 mg/ml in Tris buffer containing 0.05% Azide **Storage condition:** Store the antibody at 4°C, stable for 6 months.

## **Application Note**

FACS analysis: 0.5-1 µg/10^6 cells



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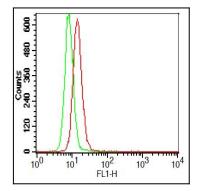


Fig-1: Intracellular flow analysis of TLR3 FITC conjugated in THP-1 cell line using 0.5  $\mu$ g/10^6 cells of TLR3 FITC conjugated antibody (Clone: ABM15D5). Green represents isotype control; red represents anti-TLR3 FITC conjugated antibody.