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10-3004-P: Monoclonal Antibody to TLR3 (Clone: ABM15D5)-PE conjugated

Clonality: Monoclonal **Clone Name:** ABM15D5 FACS Application: Reactivity: Human Conjugate: PΕ Gene: TLR3 Gene ID: 7098 **Uniprot ID:** 015455 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 Test / 100 Test

Purification: Protein G Chromatography

Content: 0.04mg/ml in PBS with 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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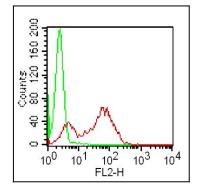


Fig-1: Intracellular flow analysis of TLR3 PE conjugated in human PBMC (lymphocytes) using 0.5 μ g/10^6 cells of TLR3 PE conjugated antibody (Clone: ABM15D5). Green represents isotype control; red represents anti-TLR3 PE conjugated antibody.