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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 |
| **Gene :** | TLR3 |
| **Gene ID :** | 7098 |
| **Uniprot ID :** | O15455 |
| **Format :** | Purified |
| **Alternative Name :** | TLR3 |
| **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 up-regulation of the anti-HIV cellular factor APOBEC3G. These are a family of pattern recognition receptors expressed by immune cells, including macrophages.

## Product Info

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|---|---|
| **Amount :** | 25 µg / 100 µg |
| **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

***For Research Use Only. Not for use in diagnostic/therapeutics procedures.***

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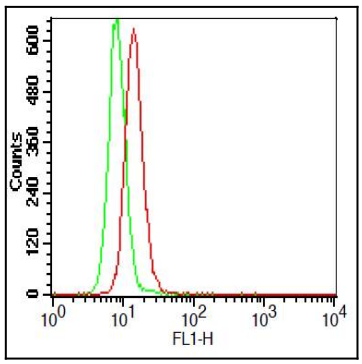



Fig-1: Intracellular flow analysis of TLR3 FITC conjugated in THP-1 cell line using 0.5 µg/10^6 cells of TLR3 FITC conjugated antibody (Clone: ABM15D5). Green represents isotype control; red represents anti-TLR3 FITC conjugated antibody.

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