

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	ABM15D5
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Gene :</b>	TLR3
<b>Gene ID :</b>	7098
<b>Uniprot ID :</b>	O15455
<b>Format :</b>	Purified
<b>Alternative Name :</b>	TLR3
<b>Isotype :</b>	Mouse IgG1 Kappa
<b>Immunogen Information :</b>	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

<b>Amount :</b>	25 µg / 100 µg
<b>Purification :</b>	Protein G Chromatography
<b>Content :</b>	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.
<b>Storage condition :</b>	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

FACS analysis: 2.0 µg/10<sup>6</sup> cells

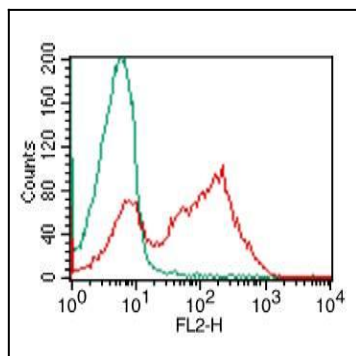


Fig-1: Intracellular flow analysis of TLR3 in human PBMC (lymphocytes) using 2.0  $\mu\text{g}/10^6$  cells of TLR3 antibody (Clone: ABM15D5). Green represents isotype control; red represents anti-TLR3 antibody. Goat anti-mouse PE conjugate was used as secondary.

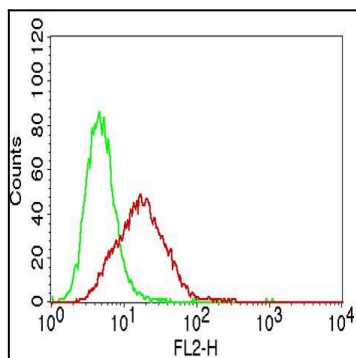


Fig-2: Intracellular flow analysis of TLR3 in human Jurkat using 0.5  $\mu\text{g}/10^6$  cells of TLR3 antibody (Clone: ABM15D5). Green represents isotype control; red represents anti-TLR3 antibody. Goat anti-mouse PE conjugate was used as secondary antibody.