

## 10-3026-NALE: NALE™ Monoclonal Antibody to TLR2 (Clone: ABM3A87)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	ABM3A87
<b>Application :</b>	IHC,FACS,WB
<b>Reactivity :</b>	Mouse,Human
<b>Gene :</b>	TLR2
<b>Gene ID :</b>	7097
<b>Uniprot ID :</b>	O60603
<b>Format :</b>	Azide Free,Purified
<b>Alternative Name :</b>	TLR2,TIL4
<b>Isotype :</b>	Mouse IgG1 Kappa
<b>Immunogen Information :</b>	A partial length recombinant TLR2 protein (amino acids 180-420) was used as the immunogen for this antibody.

### Description

TLR2 (Toll-Like Receptors 2) is a member of the TLR (Toll-like receptor) family that plays a fundamental role in pathogen recognition and activation of innate immunity. TLR2 forms heterodimers with TLR1 and TLR6, 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 also interacts with a large number of non-TLR molecules, allowing for recognition of a great number and variety of PAMPs (pathogen-associated molecular patterns). TLR2 expression has been detected in immune cells, endothelial, and epithelial cells.

### Product Info

<b>Amount :</b>	100 µg
<b>Purification :</b>	Protein G Chromatography
<b>Content :</b>	25 µg in 50 µl/100 µg in 200 µl PBS containing no Azide and low endotoxin (0.1 EU/1ug).
<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

Western blot analysis: 2-4 µg/ml, FACS analysis: 0.5 µg/10<sup>6</sup> cells, Immunohistochemical analysis: 5 µg/ml

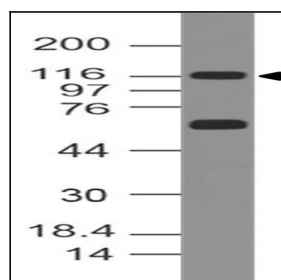


Fig-1: Western blot analysis of TLR2. Anti- TLR2 antibody (Clone: ABM3A87) was used at 2 µg/ml on mouse embryonic liver lysate.

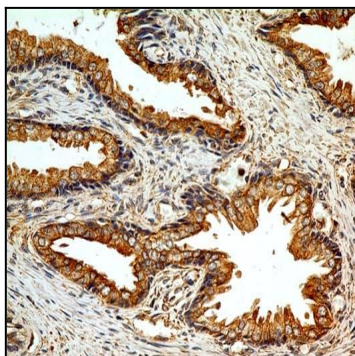


Fig-2 : Immunohistochemical analysis of TLR2 in human prostate tissue using TLR2 antibody (Clone: ABM3A87) at 5  $\mu\text{g/ml}$ .

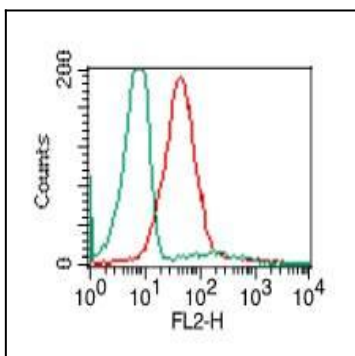


Fig-3: Intracellular flow analysis of TLR2 in PBMC (Monocytes) using 0.5  $\mu\text{g}/10^6$  cells of TLR2 antibody (Clone: ABM3A87). Green represents isotype control; red represents anti-TLR2 antibody. Goat anti-Mouse PE conjugate was used as secondary.

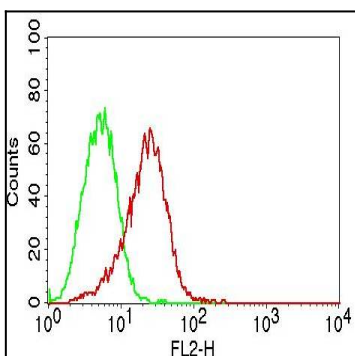


Fig-4: Intracellular flow analysis of TLR2 in THP-1 cells using 0.5  $\mu\text{g}/10^6$  cells of TLR2 antibody (Clone: ABM3A87). Green represents isotype control; red represents anti-TLR2 antibody. Goat anti-Mouse PE conjugate was used as secondary antibody.

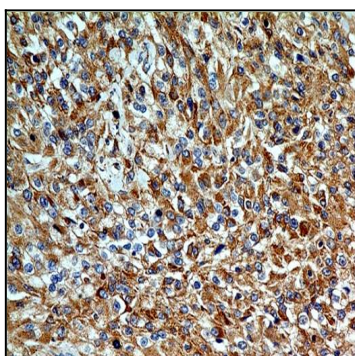


Fig-5: Immunohistochemical analysis of TLR2 in Renal Cell Carcinoma using TLR2 antibody (Clone: ABM3A87) at 5  $\mu\text{g/ml}$ .

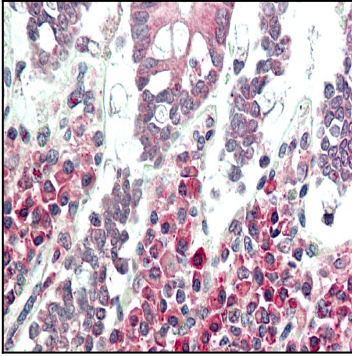


Fig-6: Immunohistochemical analysis of TLR2 in human Colon tissue using TLR2 antibody (Clone: ABM3A87) at 10  $\mu$ g/ml.