9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

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

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|---|---|
| **Clonality :** | Monoclonal |
| **Clone Name :** | ABM3A87 |
| **Application :** | IHC,FACS,WB |
| **Reactivity :** | Mouse,Human |
| **Gene :** | TLR2 |
| **Gene ID :** | 7097 |
| **Uniprot ID :** | O60603 |
| **Format :** | Azide Free,Purified |
| **Alternative Name :** | TLR2,TIL4 |
| **Isotype :** | Mouse IgG1 Kappa |
| **Immunogen Information :** | 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

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|---|---|
| **Amount :** | 100 µg |
| **Purification :** | Protein G Chromatography |
| **Content :** | 25 µg in 50 µl/100 µg in 200 µl PBS containing no Azide and low endotoxin (0.1 EU/1ug). |
| **Storage condition :** | 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/10^6 cells, Immunohistochemical analysis: 5 µg/ml

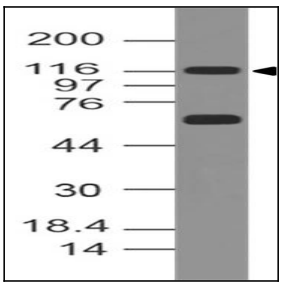


Fig-1: Western blot analysis of TLR2. Anti- TLR2 antibody (Clone: ABM3A87) was used at 2 µg/ml on mouse embryonic liver lysate.

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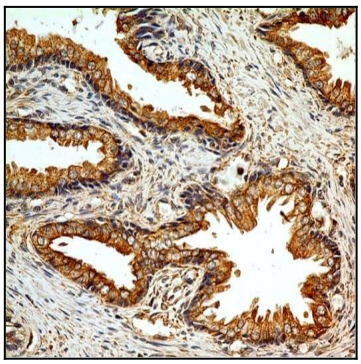

Fig-2 : Immunohistochemical analysis of TLR2 in human prostate tissue using TLR2 antibody (Clone: ABM3A87) at 5 µg/ml.

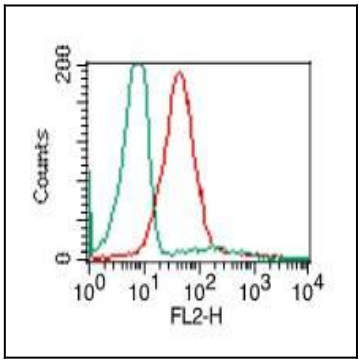


Fig-3: Intracellular flow analysis of TLR2 in PBMC (Monocytes) using 0.5 µg/10^6 cells of TLR2 antibody (Clone: ABM3A87). Green represents isotype control; red represents anti-TLR2 antibody. Goat anti-Mouse PE conjugate was used as secondary.

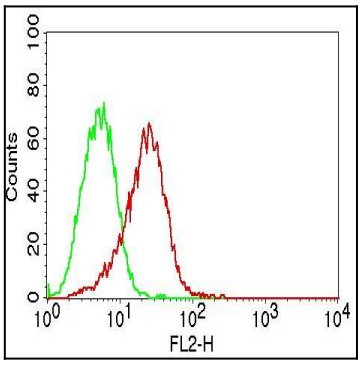


Fig-4: Intracellular flow analysis of TLR2 in THP-1 cells using 0.5 µg/10^6 cells of TLR2 antibody (Clone: ABM3A87). Green represents isotype control; red represents anti-TLR2 antibody. Goat anti-Mouse PE conjugate was used as secondary antibody.

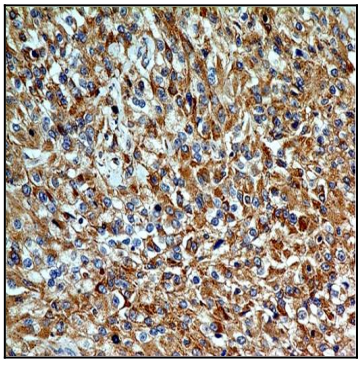

Fig-5: Immunohistochemical analysis of TLR2 in Renal Cell Carcinoma using TLR2 antibody (Clone: ABM3A87) at 5 µg/ml.

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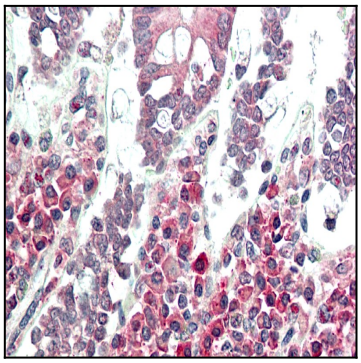

Fig-6: Immunohistochemical analysis of TLR2 in human Colon tissue using TLR2 antibody (Clone: ABM3A87) at 10 µg/ml.