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

Clonality :	Monoclonal
Clone Name :	ABM3A87
Application :	IHC,FACS,WB,IF
Reactivity :	Mouse,Human
Gene :	TLR2
Gene ID :	7097
Uniprot ID :	O60603
Format :	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

Amount :	25 µg / 100 µg
Purification :	Protein G Chromatography
Content :	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.
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

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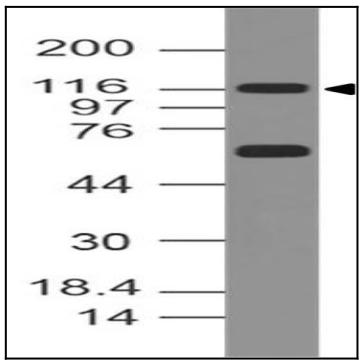

Fig-1: Western blot analysis of TLR2. Anti- TLR2 antibody (Clone: ABM3A87) was used at 2 µg/ml on mouse embryonic liver lysate.

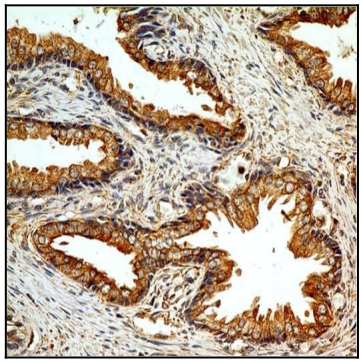

Fig-2 : Immunohistochemical analysis of TLR2 in human prostate tissue using TLR2 antibody (Clone: ABM3A87) at 5 µg/ml.

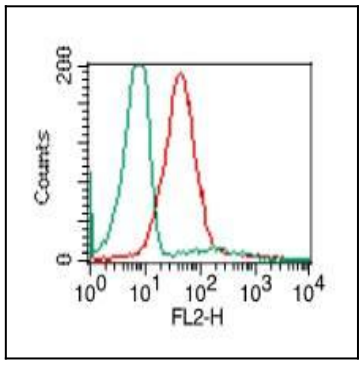

Fig-3: Intracellular flow analysis of TLR2 in PBMC (Monocytes) using 0.5 µg/10^6 cells of TLR2 antibody (Clone: ABM3A87). Green represents isotype control; red represents anti-TLR2 antibody. Goat anti-Mouse PE conjugate was used as secondary.

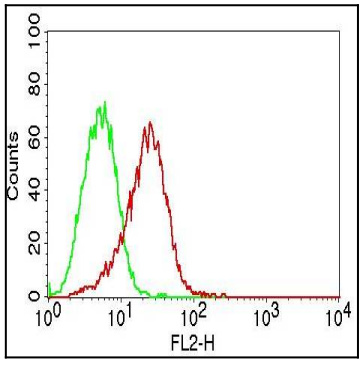

Fig-4: Intracellular flow analysis of TLR2 in THP-1 cells using 0.5 µg/10^6 cells of TLR2 antibody (Clone: ABM3A87). Green represents isotype control; red represents anti-TLR2 antibody. Goat anti-Mouse PE conjugate was used as secondary antibody.

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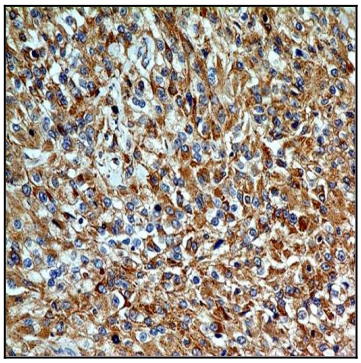

Fig-5: Immunohistochemical analysis of TLR2 in Renal Cell Carcinoma using TLR2 antibody (Clone: ABM3A87) at 5 µg/ml.

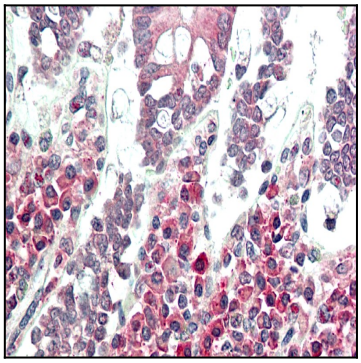

Fig-6: Immunohistochemical analysis of TLR2 in human Colon tissue using TLR2 antibody (Clone: ABM3A87) at 10 µg/ml.