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# 10-3003: Monoclonal Antibody to TLR9 (Clone: ABM1C51)

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| **Clonality :** | Monoclonal |
| **Clone Name :** | ABM1C51 |
| **Application :** | IHC,FACS,WB |
| **Reactivity :** | Mouse,Human |
| **Gene :** | TLR9 |
| **Gene ID :** | 54106 |
| **Uniprot ID :** | Q9NR96 |
| **Format :** | Purified |
| **Alternative Name :** | TLR9,UNQ5798/PRO19605 |
| **Isotype :** | Mouse IgG1 Kappa |
| **Immunogen Information :** | A partial length recombinant TLR9 protein (amino acids 100-290) was used as the immunogen for the antibody. |

## Description

TLR9, a member of toll-like receptor family are central to the innate immunity by identifying pathogen associated molecular patterns (PAMPs). TLR9 identify unmethylated CpG dinucleotides present in bacterial DNA leading to NF-kB activation.

## Product Info

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|---|---|
| **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

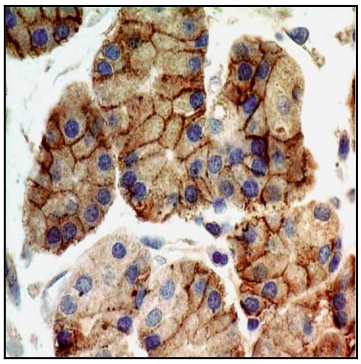

Fig-1: Immunohistochemical analysis of TLR9 in human stomach tissue using TLR9 antibody (Clone: ABM1C51) at 5 µg/ml.

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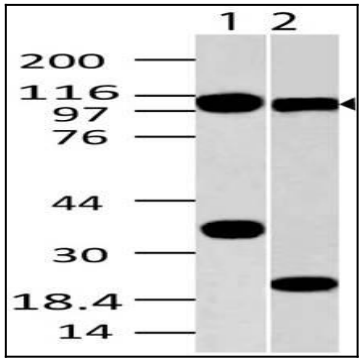


Fig-2: Western blot analysis of TLR9. Anti- TLR9 antibody (Clone: ABM1C51) was used at 2 µg/ml on (1) Raji and (2) EL4 lysates.

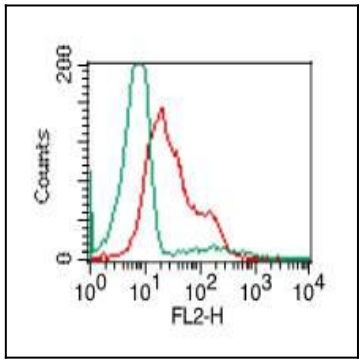


Fig-3: Intracellular flow analysis of TLR9 in human PBMC (Lymphocytes) using 0.5 µg/10^6 cells of TLR9 antibody (Clone: ABM1C51). Green represents isotype control; red represents anti-TLR9 antibody. Goat anti-mouse PE conjugate was used as secondary.

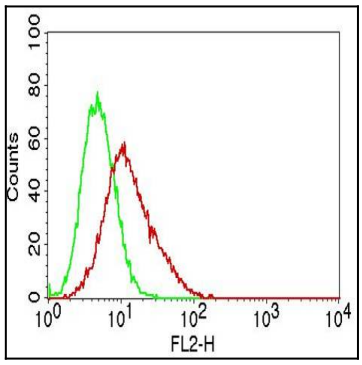


Fig-4: Intracellular flow analysis of TLR9 in Raji cells using 0.5 µg/10^6 cells of TLR9 antibody (Clone: ABM1C51). Green represents isotype control; red represents anti-TLR9 antibody. Goat anti-mouse PE conjugate was used as secondary antibody.

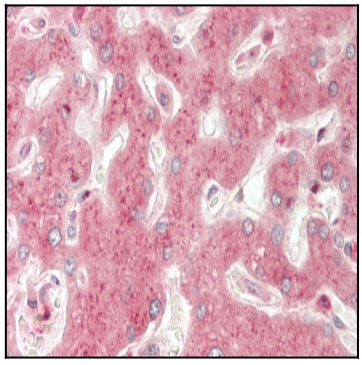

Fig-5 : Immunohistochemical analysis of TLR9 in human Liver tissue using TLR9 antibody (Clone: ABM1C51) at 20 µg/ml.

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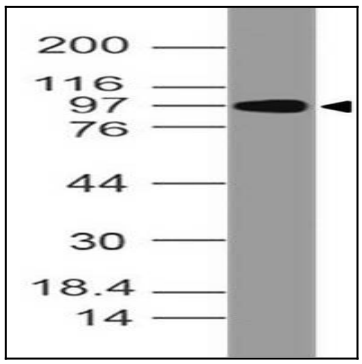


Figure-6: Western blot analysis of TLR9. Anti- TLR9 antibody (Clone: ABM1C51) was used at 4 µg/ml on Daudi lysate.