

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- κ B activation.

Product Info

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| Amount : | 25 μ g / 100 μ g |
| Purification : | Protein G Chromatography |
| Content : | 25 μ g in 50 μ l/100 μ g in 200 μ l 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 μ g/ml, FACS analysis: 0.5 μ g/10⁶ cells, Immunohistochemical analysis: 5 μ g/ml

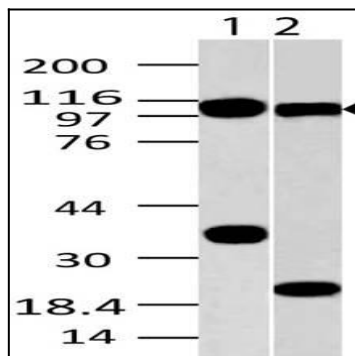


Fig-1: Western blot analysis of TLR9. Anti- TLR9 antibody (Clone: ABM1C51) was used at 2 μ g/ml on (1) Raji and (2) EL4 lysates.

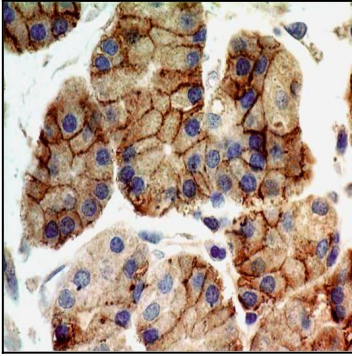


Fig-2 : Immunohistochemical analysis of TLR9 in human stomach tissue using TLR9 antibody (Clone: ABM1C51) at 5 $\mu\text{g/ml}$.

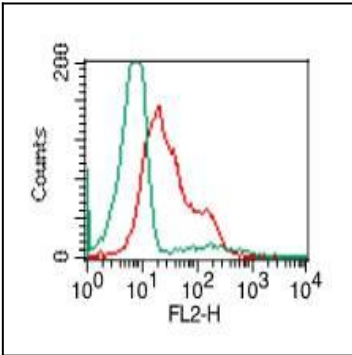


Fig-3: Intracellular flow analysis of TLR9 in human PBMC (Lymphocytes) using 0.5 $\mu\text{g}/10^6$ cells of TLR9 antibody (Clone: ABM1C51). Green represents isotype control; red represents anti-TLR9 antibody. Goat anti-mouse PE conjugate was used as secondary.

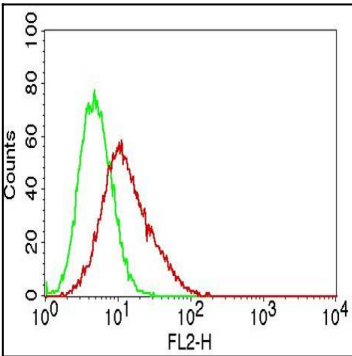


Fig-4: Intracellular flow analysis of TLR9 in Raji cells using 0.5 $\mu\text{g}/10^6$ cells of TLR9 antibody (Clone: ABM1C51). Green represents isotype control; red represents anti-TLR9 antibody. Goat anti-mouse PE conjugate was used as secondary antibody.

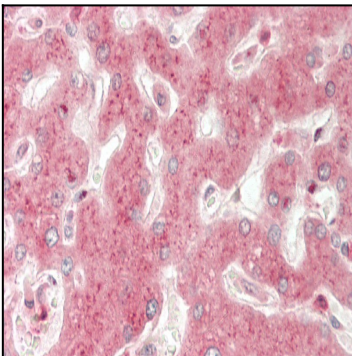


Fig-5 : Immunohistochemical analysis of TLR9 in human Liver tissue using TLR9 antibody (Clone: ABM1C51) at 20 $\mu\text{g/ml}$.

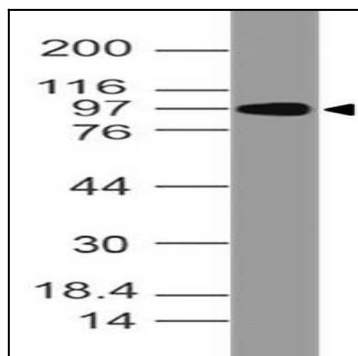


Figure-6: Western blot analysis of TLR9. Anti- TLR9 antibody (Clone: ABM1C51) was used at 4 μ g/ml on Daudi lysate.