

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

Clonality :	Monoclonal
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

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/10⁶ cells, Immunohistochemical analysis: 5 µg/ml

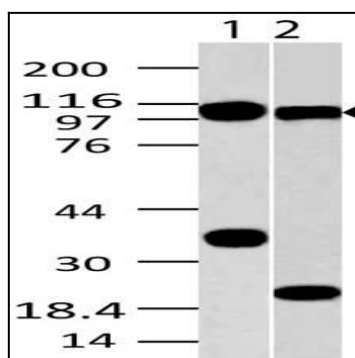


Fig-1: Western blot analysis of TLR9. Anti- TLR9 antibody (Clone: ABM1C51) was used at 2 µg/ml on (1) Raji and (2) EL4 lysates.

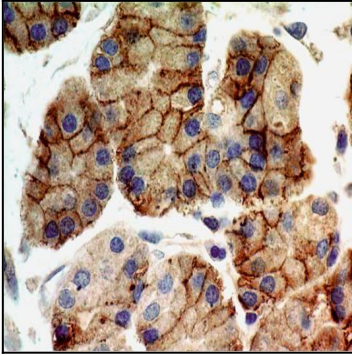


Fig-2 : Immunohistochemical analysis of TLR9 in human stomach tissue using TLR9 antibody (Clone: ABM1C51) at 5 $\mu\text{g/ml}$.

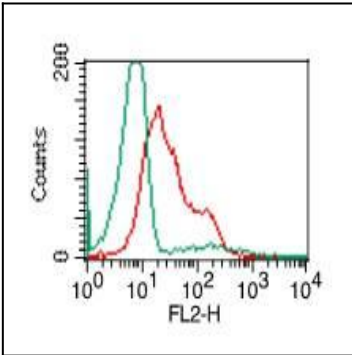


Fig-3: Intracellular flow analysis of TLR9 in human PBMC (Lymphocytes) using 0.5 $\mu\text{g}/10^6$ cells of TLR9 antibody (Clone: ABM1C51). Green represents isotype control; red represents anti-TLR9 antibody. Goat anti-mouse PE conjugate was used as secondary.

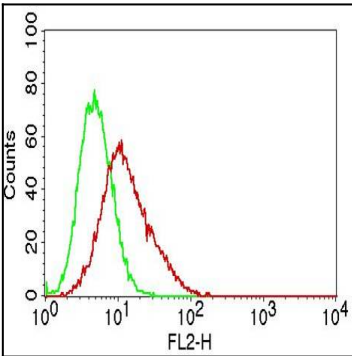


Fig-4: Intracellular flow analysis of TLR9 in Raji cells using 0.5 $\mu\text{g}/10^6$ cells of TLR9 antibody (Clone: ABM1C51). Green represents isotype control; red represents anti-TLR9 antibody. Goat anti-mouse PE conjugate was used as secondary antibody.

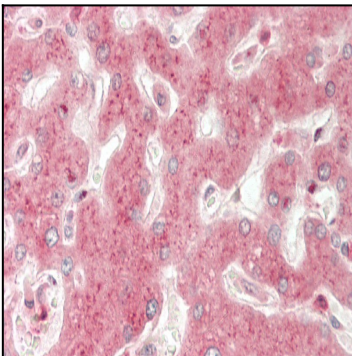


Fig-5 : Immunohistochemical analysis of TLR9 in human Liver tissue using TLR9 antibody (Clone: ABM1C51) at 20 $\mu\text{g/ml}$.