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10-3013: Monoclonal Antibody to TLR5 (Clone: ABM22G1)

Clonality :	Monoclonal
Clone Name :	ABM22G1
Application :	IHC,FACS
Reactivity :	Human
Gene :	TLR5
Gene ID :	7100
Uniprot ID :	O60602
Format :	Purified
Alternative Name :	TLR5,TIL3
Isotype :	Mouse IgG2a Kappa
Immunogen Information :	A partial length recombinant TLR5 protein was used as the immunogen for this antibody.

Description

Toll-like receptor 5 (TLR5) plays a fundamental role in pathogen recognition and downstream signaling to induce effective immunity. It is well expressed in major old tissues including lung, skin, intestine, and spleen. TLR5 is present in synovial of patients with rheumatoid arthritis (RA), act as novel mediator of innate immunity-induced osteoclastogenesis and bone loss. TLR5 is a receptor for flagellin and is present on the basolateral surface of intestinal epithelial cells. It is involved in the migration of intestinal epithelial cells through activation of the p38 MAPK pathway. TLR5-mediated signaling specifically enhanced the maturation of lung dendritic cells. TLR5 influences the progression and outcome of ovarian, sarcoma, and luminal breast tumors. Mutations in TLR5 have been associated with both resistance and susceptibility to systemic lupus erythematosus, and susceptibility to Legionnaire disease.

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

Immunohistochemical analysis: 10 µg/ml;FACS analysis: 0.5 µg/10^6 cells

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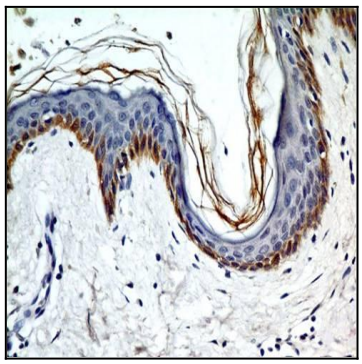

Fig-1 : Immunohistochemical analysis of TLR5 in human skin tissue using TLR5 antibody (Clone: ABM22G1) at 10 µg/ml.

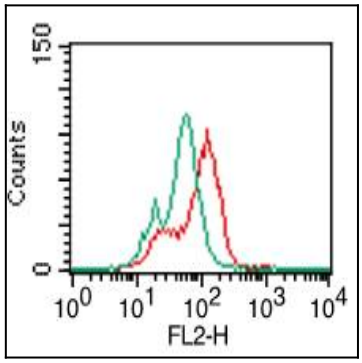

Fig-2: Intracellular flow analysis of hTLR5 in Monocytes using 0.5 µg/10^6 cells of hTLR5 antibody (Clone: ABM22G1). Green represents isotype control; red represents anti-hTLR5 antibody. Goat anti-mouse PE conjugate was used as secondary.

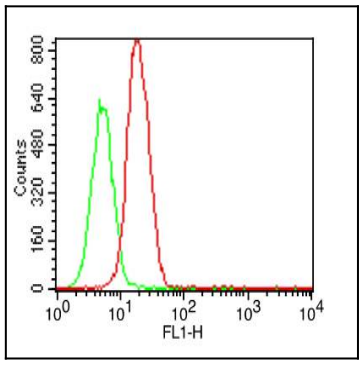

Fig-3:Intracellular flow analysis of hTLR5 antibody in TLR5 Transfected Cell line using 0.5 µg/10^6 cells of hTLR5 antibody (Clone: ABM22G1). Green represents isotype control; red represents anti-hTLR5 antibody. Goat anti-mouse FITC conjugate was used as secondary antibody.

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