

bsm-54147R**[Primary Antibody]**

Bioss
ANTIBODIES

www.bioss.com.cn

sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

TLR2 Recombinant Rabbit mAb**— DATASHEET —****Host:** Rabbit**Clonality:** Recombinant**GeneID:** 7097**Target:** TLR2**Immunogen:** Recombinant human TLR2 protein: 1-600/784.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

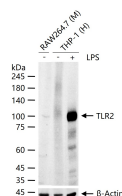
Background: The protein encoded by this gene is a member of the Toll-like receptor (TLR) family which plays a fundamental role in pathogen recognition and activation of innate immunity. TLRs are highly conserved from Drosophila to humans and share structural and functional similarities. They recognize pathogen-associated molecular patterns (PAMPs) that are expressed on infectious agents, and mediate the production of cytokines necessary for the development of effective immunity. The various TLRs exhibit different patterns of expression. This gene is expressed most abundantly in peripheral blood leukocytes, and mediates host response to Gram-positive bacteria and yeast via stimulation of NF-kappaB. [provided by RefSeq, Jul 2008].

Isotype: IgG**CloneNo.:** 3A27**SWISS:** O60603**Applications:** WB (1:1000-5000)**Flow-Cyt** (1ug/Test)**Reactivity:** Human, Mouse

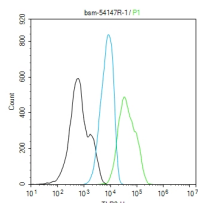
Predicted
MW.: 84 kDa

Observed
MW.: 100 kDa

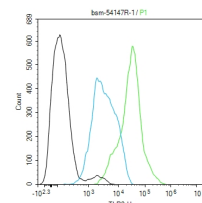
Subcellular
Location: Cell membrane

— VALIDATION IMAGES —

THP-1 (H) cells were treated with or without LPS (1 ug/ml) for 24 h, 25 µg total protein per lane of cell lysates (see on figure) probed with TLR2 monoclonal antibody, unconjugated (bsm-54147R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



The Raw264.7 (M) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, the cells then were incubated in 5% BSA to block non-specific protein-protein interactions (30 min at r.t.). Primary Antibody (green): Rabbit Anti-TLR2 antibody (bsm-54147R): 1 µg/10⁶ cells; Secondary Antibody (white blue): Goat anti-Rabbit IgG-BF488 (bs-60295G-BF488): 1 µg/test. Blank control (black): PBS. Acquisition of 20,000 events was performed.



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