

bs-1019R**[Primary Antibody]****BioSS**
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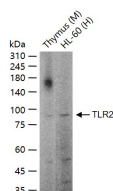
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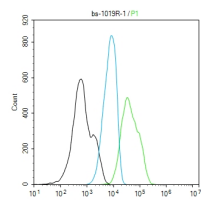
400-901-9800

TLR2 Rabbit pAb**— DATASHEET —**

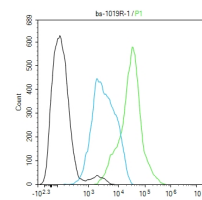
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) Flow-Cyt (1µg/Test)
Clonality: Polyclonal		Reactivity: Human, Mouse
GeneID: 7097	SWISS: O60603	
Target: TLR2		
Immunogen: KLH conjugated synthetic peptide derived from human TLR2: 701-784/784. < Cytoplasmic >		
Purification: affinity purified by 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].		
		Predicted MW.: 84 kDa
		Subcellular Location: Cell membrane

— VALIDATION IMAGES —

25 µg total protein per lane of various lysates (see on figure) probed with TLR2 polyclonal antibody, unconjugated (bs-1019R) 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 (bs-1019R): 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.



The THP-1 (H) 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 (bs-1019R): 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.

— SELECTED CITATIONS —

- **[IF=14.919]** Zhang, Peitao. et al. Targeting myeloid derived suppressor cells reverts immune suppression and sensitizes BRAF-mutant papillary thyroid cancer to MAPK inhibitors. Nat Commun. 2022 Mar;13(1):1-18 WB ;Human. 35332119
- **[IF=9.038]** Xuting Liu. et al. Amorphous silica nanoparticles induce inflammation via activation of NLRP3 inflammasome and HMGB1/TLR4/MYD88/NF-kb signaling pathway in HUVEC cells. J Hazard Mater. 2021 Feb;404:124050

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

WB,IP ;Human. 33053467

- **[IF=7.7]** Qiping Zhan. et al. Effects of polysaccharide fractions isolated from the pulp of rose laevigata Michx fruit on the foaming and polarization of RAW264.7 macrophage cells. INT J BIOL MACROMOL. 2025 Feb;291:139074 ;Mouse. 39716704
- **[IF=8.025]** Lihui Ni. et al. The combination of insulin and linezolid ameliorates Staphylococcus aureus pneumonia in individuals with diabetes via the TLR2/MAPKs/NLRP3 pathway. INT J BIOL MACROMOL. 2023 Jul;242:124750 WB ;Mouse. 37160172
- **[IF=7]** Yu Fei. et al. Generation of a new therapeutic d-peptide that induces the differentiation of acute myeloid leukemia cells through A TLR-2 signaling pathway. CELL DEATH DISCOV. 2024 Jan;10(1):1-14 CoIP ;Human. 38272890