TLR2 antibody

E8ET1705-92

Product Type: Recombinant Rabbit monoclonal IgG, primary antibodies

Species reactivity: Human, Mouse, Rat

Applications: WB, ICC/IF, IHC-P, FC

Molecular Wt: 90 kDa

Clone number: JM22-41

Description: The TLR family of proteins are characterized by a highly conserved Toll homology (TH) domain, which is essential for Toll-induced signal transduction. TLR1, as well as the other TLR family members, are type I transmembrane receptors that characteristically contain an extracellular domain consisting of several leucine-rich regions along with a single cytoplasmic Toll/IL-1R-like domain. TLR2 and TLR4 are activated in response to lipopolysacchride (LPS) stimulation, which results in the activation and translocation of NFkB and suggests that these receptors are involved in mediating inflammatory responses. Expression of TLR receptors is highest in peripheral blood leukocytes, macrophages, and monocytes. TLR6 is highly homologous to TLR1, sharing greater than 65% sequence identity, and, like other members of TLR family, it induces NFkB signaling upon activation.

Immunogen: Recombinant full length protein of human TLR2.

Positive control: PC-3M, A549, HepG2, mouse spleen tissue, human spleen tissue, THP-1.

Subcellular location: Membrane.

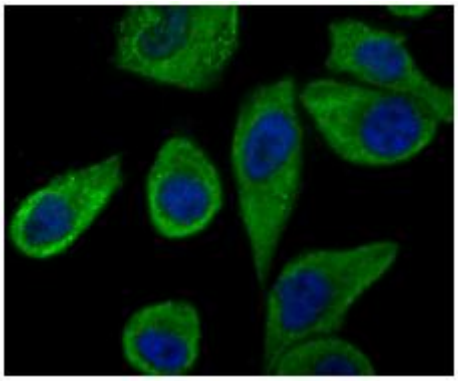
Database links: SwissProt: O60603 Human | Q9QUN7 Mouse

Recommended Dilutions:WB 1:500; **ICC/IF** 1:50-1:200; **IHC-P** 1:50-1:200; **FC** 1:50-1:100

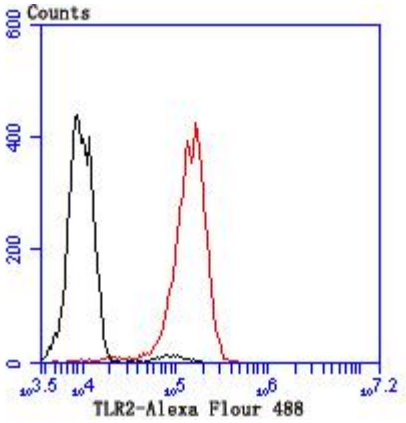
Storage Buffer: 1*TBS (pH7.4), 0.05% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction: Store at +4℃ after thawing. Aliquot store at -20℃ or -80℃. Avoid repeated freeze / thaw cycles.

Purity: Protein A affinity purified.



ICC staining of TLR2 in PC-3M cells (green). Formalinfixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 1% Blocker BSA for 15 minutes at room temperature. Cells were probed with the primary antibody for 1 hour at room temperature, washed with PBS. Alexa Fluor®488 Goat anti- Rabbit IgG was used as the secondary antibody at 1/1,000 dilution. The nuclear counter stain is DAPI (blue).



Flow cytometric analysis of TLR2 was done on THP-1 cells. The cells were fixed, permeabilized and stained with the primary antibody (red). After incubation of the primary antibody at room temperature for an hour, the cells were stained with a Alexa Fluor 488-conjugated Goat anti-Rabbit IgG Secondary antibody at 1/1000 dilution for 30 minutes. Unlabeled sample was used as a control (cells without incubation with primary antibody; black).