

TLR2 (Toll-like receptor 2) Antibody (Clone BV31-9)

CATALOG #:	3569-100
AMOUNT:	100 µl
ISOTYPE:	Mouse IgG1
IMMUNOGEN:	Recombinant human TLR2
CLONE#:	BV31-9
SPECIES REACTIVITY:	Human

FORMULATION:

100 µl protein G purified mouse anti-human TLR2 monoclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA, 0.02% thimerosal.

STORAGE CONDITIONS:

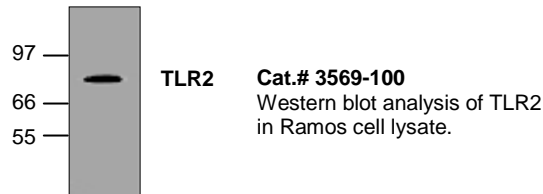
Store at -20°C. For long-term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

BACKGROUND:

The Toll-like receptor (TLR) family in mammalian comprises a family of transmembrane proteins characterized by multiple copies of leucine rich repeats in the extracellular domain and IL-1 receptor motif in the cytoplasmic domain. Up-to-date, ten TLRs (TLR1-10) have been described. TLR2 is differentially expressed in human cells. CD14+ monocytes expressed the highest level of TLR2 followed by CD15+ granulocytes, and CD19+ B-cells. CD3+ T-cells and CD56+ NK cells did not express TLR2. The expression of TLR2 on different cell types are regulated by different immune response modifiers. For example, LPS, GM-CSF, IL-1, and IL-10 up regulate TLR2, whereas IL-4, IFN-gamma, and TNF down regulate TLR2 expression in monocytes.

APPLICATION AND USAGE:

The antibody can be used for Western blotting (1:200-1000 dilution). However, the optimal conditions should be determined individually. Ramos cell lysate can be used as a positive control and a ~86 kDa band is detected.



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