

## TLR2

### Mouse Anti-Human Toll-like Receptor 2 (Clone TL2.5) mAb

**Catalog No.** MON4019                      **Quantity:** 100 µg

**Alternate Names:** Toll-like receptor 2, Toll/interleukin 1 receptor-like 4, CD282

**Description:** Toll-like receptors (TLR) are highly conserved throughout evolution and have been implicated in the innate defense to many pathogens. In mammals, TLR identified as type I transmembrane signaling receptors with pattern recognition capabilities, have been implicated in the innate host defense to pathogens. TLR2 has been identified as a receptor that is central to the innate immune response to lipoproteins of Gram-negative bacteria, several whole Gram-positive bacteria, as well as a receptor for peptidoglycan and lipoteichoic acid and other bacterial cell membrane products. A functional interaction between TLR2 and TLR6 in the cellular response to various bacterial products has been discovered. The currently accepted paradigm regards TLR2 as an essential receptor for many eubacterial cell wall components, including lipoproteins and peptidoglycan. Bacterial species as diverse as mycobacteria, spirochetes, mycoplasma, Staphylococcus aureus, and Streptococcus pneumoniae have all been shown to mediate cellular activation via TLR2 (CD282).

**Concentration:** 0.1 mg/ml

**UniProt ID:** O60603

**Isotype:** Mouse IgG1

**Clone:** TL2.5

**Formulation:** Purified antibody in PBS with 0.1% BSA and 0.02% sodium azide

**Applications:** FC, IHC-F, ELISA, IF, IP, Functional studies

**Storage & Stability:** Store at 2-8°C for up to 1 year.

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