

TLR2 [T2.5] antibody

Alternate names:	TNFRSF10D, DCR2, TRAILR4, TRUNDD, Decoy receptor 2, DcR2, TRAIL receptor 4, TRAIL-R4, TRAIL receptor with a truncated death domain, TNF-related apoptosis-inducing ligand receptor 4, Tumor necrosis factor receptor superfamily member 10D
Catalog No.:	SP6244CP
Quantity:	50 µg
Concentration:	0.1 mg/ml
Background:	<p>Toll-like receptors (TLR) are highly conserved throughout evolution and have been implicated in the innate defense to many pathogens. In <i>Drosophila</i> toll is required for the anti-fungal response, while the related 18-wheeler is involved in antibacterial defenses. 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, <i>Staphylococcus aureus</i>, and <i>Streptococcus pneumoniae</i> have all been shown to mediate cellular activation via TLR2. The T2.5 monoclonal antibody is reactive with mouse Toll-like receptor 2 (TLR2). Furthermore T2.5 cross-reacts with human TLR2.</p>
Immunogen:	Recombinant fragment corresponding to the extracellular domain of Mouse TLR2. This immunogen was used for immunization of a TLR2 ^{-/-} (k.o.) mouse (see references).
Format:	<p>State: Liquid</p> <p>Purification: Protein G affinity purified.</p> <p>Buffer System: PBS, pH7.2 with 0.02% sodium azide as preservative.</p>
Applications:	<p>ELISA, FACS, ICC, IHC-Fr, IP</p> <p>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
Specificity:	Cross-reacts with Human and Mouse. Not yet tested in other species.
Storage:	Store at +4

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

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