

Tlr4

Rat Anti-Mouse Toll-like Receptor 4 Clone MTS510 Biotin mAb

Catalog No.	MON4032B	Quantity:	0.5 ml
Alternate Names:	Lps, Ly87, Ran/M1, Rsl2-8		
Description:	<p>The monoclonal antibody MTS510 reacts with the Toll-like receptor 4 (TLR4, CD284) /MD-2. TLRs are highly conserved throughout evolution and have been implicated in the innate defense to many pathogens. In Drosophila, toll is required for the anti-fungal response, while the related 18-wheeler is involved in antibacterial defense. In mammals, TLRs identified as type I transmembrane signaling receptors with pattern recognition capabilities, have been implicated in the innate host defence to pathogens. TLR4 has been identified next to MD-2 and CD14 as a receptor that is central to the innate immune response to lipopolysaccharides (LPS) of Gram-negative bacteria.</p> <p>The monoclonal antibody MTS510 reacts preferentially, especially in flow cytometry, with mouse TLR4 that is associated with MD-2. MTS510 is a TLR4 function-blocking antibody that is useful for studies on the role of TLR4 as a receptor for LPS induced cytokine production by TLR4 bearing cells. The antibody was shown to coprecipitate MD-2 (30 kDa) with TLR4 (100 kDa).</p>		
Gene ID:	21898		
Host:	Rat		
Isotype:	IgG2a		
Clone:	MTS510		
Formulation:	0.5 ml (100 µg/ml) 0.2 um filtered biotinylated antibody solution in PBS, containing 0.1% BSA.		
Applications:	The antibody can be used for flow cytometry, immuno precipitation and immunohistology on frozen sections. The antibody recognizes the mouse TLR4/MD-2 complex and is not useful for detection of TLR4 alone.		
Application Notes:	For immunohistology and flow cytometry dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:50.		
Storage & Stability:	Product should be store at 4°C. Under recommended storage conditions, product should be stable for one year.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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