

Tlr4

Rat Anti-Mouse Toll-like Receptor 4 (Clone MTS510) mAb

Catalog No.	MON4032	Quantity:	1 mL
Alternate Names:	Toll-like Receptor 4, TLR4, CD284		
Description:	<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. 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. The MTS510 monoclonal antibody reacts preferentially, especially in flow cytometry, with murine 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>		
Concentration:	0.1 mg/ml		
UniProt ID:	Q9QUK6		
Specificity:	TLR4 / MD2		
Host:	Rat		
Isotype:	IgG2a		
Clone:	MTS510		
Formulation:	Sterile-filtered purified antibody in PBS with 0.1% BSA and 0.02% sodium azide		
Applications:	FC, IHC, IP, Functional studies		
Application Notes:	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.		
Storage & Stability:	Store at 2-8°C for up to 1 year.		

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