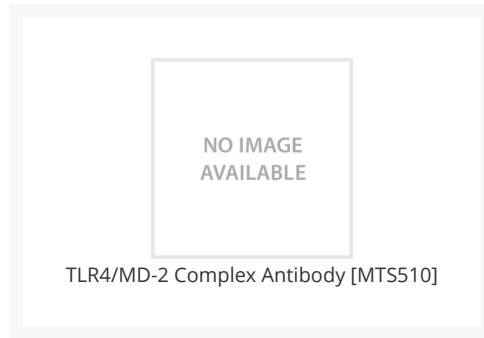




# TLR4/MD-2 Complex Antibody [MTS510]

Cat. No.: 77-017




## Ψ Specifications

<b>HOST SPECIES:</b>	Rat
<b>SPECIES REACTIVITY:</b>	Mouse
<b>TESTED APPLICATIONS:</b>	Flow, Func
<b>SPECIFICITY:</b>	The MTS510 monoclonal antibody specifically reacts with the Toll-Like Receptor 4 (TLR-4) and MD-2 (LY96) molecular complex.

## Ψ Properties

<b>PURIFICATION:</b>	The monoclonal antibody was purified utilizing affinity chromatography. The endotoxin level is determined by LAL test to be less than 0.01 EU/μg of the protein.
<b>CLONALITY:</b>	Monoclonal
<b>ISOTYPE:</b>	Rat IgG2a, kappa
<b>CONJUGATE:</b>	Unconjugated
<b>PHYSICAL STATE:</b>	liquid
<b>BUFFER:</b>	Phosphate-buffered aqueous solution, pH7.2.
<b>CONCENTRATION:</b>	batch dependent
<b>STORAGE CONDITIONS:</b>	The product should be stored undiluted at 4 °C . Do not freeze.

<b>OFFICIAL SYMBOL:</b>	Tlr4
<b>ALTERNATE NAMES:</b>	Lps, Ly87, Ran/M1, Rasl2-8, Tlr4
<b>GENE ID:</b>	21898
<b>USER NOTE:</b>	Optimal dilutions for each application to be determined by the researcher.

 Background and References

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<b>BACKGROUND:</b>	The MTS510 monoclonal antibody specifically reacts with the Toll-Like Receptor 4 (TLR-4) and MD-2 (LY96) molecular complex. The complex of TLR-4, MD-2, and CD14 regulates the innate immune system recognition of bacterial lipopolysaccharides (LPS) and is expressed on the surface of thioglycollate-elicited macrophages. The epitope that binds the MTS510 antibody is lost after LPS stimulation and the antibody can be used to co-immunoprecipitates MD-2 and TLR4.
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