



TLR4/MD-2 Complex Antibody [MTS510]

CATALOG NUMBER: 77-016

Specifications

SPECIES REACTIVITY:	Mouse
TESTED APPLICATIONS:	FACS, Func
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
SPECIFICITY:	The MTS510 monoclonal antibody specifically reacts with the Toll-Like Receptor 4 (TLR-4) and MD-2 (LY96) molecular complex.
HOST SPECIES:	Rat

Properties

PURIFICATION:	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.
PHYSICAL STATE:	liquid
BUFFER:	Phosphate-buffered aqueous solution, pH7.2.
CONCENTRATION:	1 mg/mL
STORAGE CONDITIONS:	The product should be stored undiluted at 4°C . Do not freeze.
CLONALITY:	Monoclonal
ISOTYPE:	Rat IgG2a, kappa
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	Lps, Ly87, Ran/M1, Rasl2-8, Tlr4
OFFICIAL SYMBOL:	Tlr4
GENE ID:	21898

Background

BACKGROUND:	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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FOR RESEARCH USE ONLY

December 13, 2016