

# TLR4/MD-2 Complex Monoclonal Antibody (MTS510)

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse, Human
Host/Isotype	Rat / IgG2a, kappa
Class	Monoclonal
Type	Antibody
Clone	MTS510
Conjugate	Unconjugated
Immunogen	Ba/F3 cell line expressing mouse TLR4 and MD-2
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein G
Storage buffer	PBS with 0.05% BSA
Contains	0.05% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2537728

Applications	Tested Dilution	Publications
Immunocytochemistry (ICC/IF)	Assay-Dependent	-
Flow Cytometry (Flow)	1-2 µg per million cells	2 Publications
Immunoprecipitation (IP)	1:10-1:500	-
Blocking Assay (BLOCK)	-	1 Publication

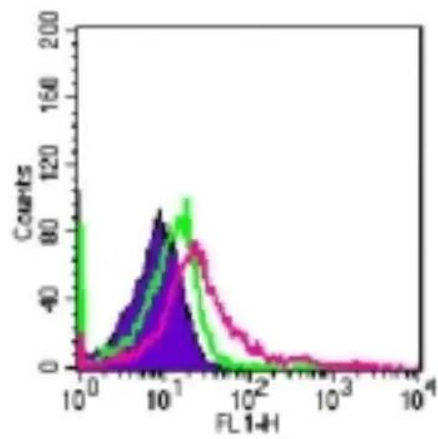
## Product Specific Information

Suggested positive control: Raw or thioglycolate-elicited mouse macrophage cells.

Product Images For TLR4/MD-2 Complex Monoclonal Antibody (MTS510)

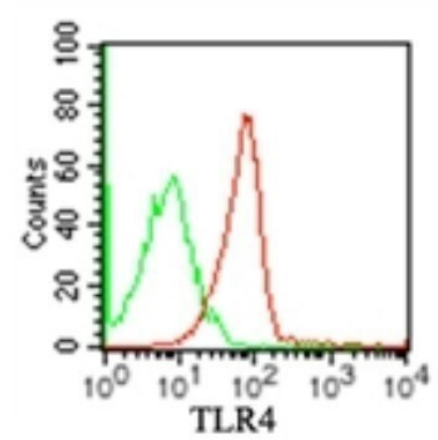
TLR4/MD-2 Complex Antibody (MA5-16210) in Flow

Flow cytometry of TLR4/MD-2 Complex in mouse peritoneal cells. Samples were incubated in TLR4/MD-2 Complex monoclonal antibody (Product # MA5-16210) using a dilution of 1 µg. Shaded histogram: Cells without antibody; green represents isotype control; red represents anti-TLR4 antibody.



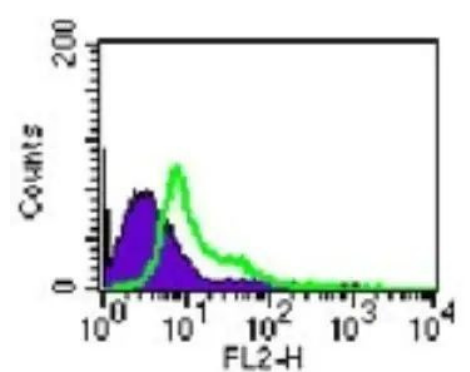
TLR4/MD-2 Complex Antibody (MA5-16210) in Flow

Flow cytometry of TLR4/MD-2 Complex in mouse RAW cells. Samples were incubated in TLR4/MD-2 Complex monoclonal antibody (Product # MA5-16210) using a dilution of 0.5 µg/10<sup>6</sup> cells followed by anti-rat APC conjugated secondary antibody. Green: isotype control. Red: TLR4 antibody.



TLR4/MD-2 Complex Antibody (MA5-16210) in Flow

Flow cytometry of TLR4/MD-2 Complex in Raw cells (pretreated with anti-CD16 /32). Samples were incubated in TLR4/MD-2 Complex monoclonal antibody (Product # MA5-16210) using a dilution of 0.625 µg/10<sup>6</sup> cells. Shaded histogram: isotype control.



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Flow Cytometry (2)

<p>PloS one</p> <p><b>Exploring the Functional Complementation between Grp94 and Hsp90.</b></p> <p>"MA516210 was used in flow cytometry to discover structural elements that distinguish Grp94 from Hsp90"</p> <p>Authors: Maharaj KA,Que NL,Hong F,Huck JD,Gill SK,Wu S,Li Z,Gewirth DT</p>	<p>Year 2017</p> <p>Species Mouse</p>
<p>The Journal of experimental medicine</p> <p><b>TLR4 signals in B lymphocytes are transduced via the B cell antigen receptor and SYK.</b></p> <p>"MA516210 was used in flow cytometry to show that TLR4 signals through the BCR leading to activation of SYK, ERK, and AKT as well as through MYD88 leading to activation of NFkappaB"</p> <p>Authors: Schweighoffer E,Nys J,Vanes L,Smithers N,Tybulewicz VLJ</p>	<p>Year 2017</p> <p>Species Mouse</p>

Blocking Assay (1)

<p>Journal of immunology (Baltimore, Md. : 1950)</p> <p><b>Soluble CD83 Inhibits T Cell Activation by Binding to the TLR4/MD-2 Complex on CD14<sup>+</sup> Monocytes.</b></p> <p>"MA516210 was used in blocking or activating experiment to implicate myeloid differentiation factor-2 as the high-affinity soluble CD83 binding partner"</p> <p>Authors: Horvatovich JM,Grogan EW,Norris M,Steinkasserer A,Lemos H,Mellor AL,Tcherepanova IY,Nicolette CA,DeBenedette MA</p>	<p>Year 2017</p> <p>Species Human</p>
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