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10-3022-F: Monoclonal antibody to Mouse TLR4 CD284 (Clone: MTS510) FITC Conjugated

Clonality :	Monoclonal
Clone Name :	MTS510
Application :	FACS
Reactivity :	Mouse
Conjugate :	FITC
Gene :	Tlr4
Gene ID :	21898
Uniprot ID :	Q9QUK6
Format :	Purified
Alternative Name :	CD284
Isotype :	Rat IgG2a, Kappa
Immunogen Information :	This antibody was developed by immunizing rats with the Ba/F3 cell line expressing mouse TLR4 and MD-2

Description

TLR4 (Toll-like receptor-4) is a member of the Toll-like receptor (TLR) family which plays a fundamental role in pathogen recognition and activation of innate immunity. It primarily mediates cellular signaling induced by Gram negative bacteria. TLR4 is highly specific for LPS and it is associated with CD14, a co-receptor for LPS. The downstream signaling pathway of TLR4 leads to the activation of NF-kappaB through myeloid differentiation protein (MyD88) and IL-1 receptor-associated kinase in various cell types.

Product Info

Amount :	25 µg / 100 µg
Purification :	Protein G purification
Content :	0.2 mg/ml in Tris buffer containing 0.05% Azide
Storage condition :	Store the antibody at 4°C, stable for 6 months.

Application Note

FACS: 0.5-1 µg/ml

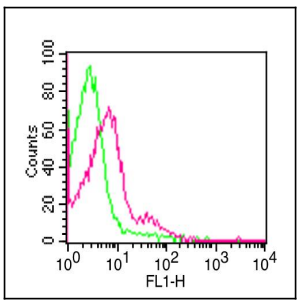


Figure-1: Cell surface flow analysis of FITC conjugated mTLR4 antibody (cloneMTS510) in mSplenocytes using 0.5 µg/10^6 cells. Green represents isotype control; red represents FITC conjugated anti-mTLR4 antibody.

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