

Product datasheet for **SM1677B**

TLR4 Mouse Monoclonal Antibody [Clone ID: HTA125]

Product data:

Product Type:	Primary Antibodies
Clone Name:	HTA125
Applications:	FC
Recommended Dilution:	Flow cytometry.
Reactivity:	Canine, Guinea Pig, Human, Monkey, Porcine
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Ba/F3 cell line expressing TLR4 (CD284). Spleen cells from immunised Balb/c mice were fused with cells of the mouse SP2/0 myeloma cell line.
Specificity:	This antibody recognises the Toll like receptor 4 (TLR4) cell surface antigen. This antibody has been demonstrated to block activation of monocytes with LPS. We recommend the use of SM1677LE for this purpose.
Formulation:	PBS containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. Label: Biotin State: Liquid purified IgG fraction.
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	Biotin
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	toll like receptor 4
Database Link:	Entrez Gene 574360 Monkey Entrez Gene 7099 Human O00206

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Background:	TLR4, also known as CD284, has been demonstrated to act as a receptor for LPS on human monocytes and macrophages. TLR4 signalling of LPS stimulation requires the presence of the MD-2 molecule. TLR4 is weakly expressed by resting cells, but is upregulated following stimulation with LPS.
Synonyms:	Toll-like receptor 4
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Pathogenic Escherichia coli infection, Toll-like receptor signaling pathway