

Product datasheet for **SM1677PS**

TLR4 Mouse Monoclonal Antibody [Clone ID: HTA125]

Product data:

Product Type:	Primary Antibodies
Clone Name:	HTA125
Applications:	FC, IP, WB
Recommended Dilution:	Flow Cytometry: Use 10 µl of 1/10-1/25 diluted antibody to label 10e6 cells or 100 µl whole blood. Western blot. Immunoprecipitation.
Reactivity:	Canine, Guinea Pig, Human, Monkey, Porcine
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Ba/F3 cell line expressing TLR4. 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. State: Purified State: Liquid purified IgG fraction.
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store 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



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Database Link: [Entrez Gene 574360 Monkey](#)[Entrez Gene 7099 Human](#)
[O00206](#)

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