

## Product datasheet for **SM1677R**

### TLR4 Mouse Monoclonal Antibody [Clone ID: HTA125]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	HTA125
Applications:	FC
Recommended Dilution:	<b>Flow Cytometry:</b> Use 10 µl of neat antibody to label 10 <sup>6</sup> cells or 100 µl whole blood.
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 Label: PE State: Lyophilized purified IgG fraction from Tissue Culture Supernatant Stabilizer: 1% BSA and 5% Sucrose Preservative: 0.09% Sodium Azide Label: R. Phycoerythrin (RPE)
Reconstitution Method:	Restore with 1.0 ml distilled water.
Purification:	Affinity Chromatography on Protein G
Conjugation:	PE
Storage:	Prior to and following reconstitution store the antibody at 2-8°C. <b>DO NOT FREEZE!</b> This product is photosensitive and should be protected from light.
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](#)

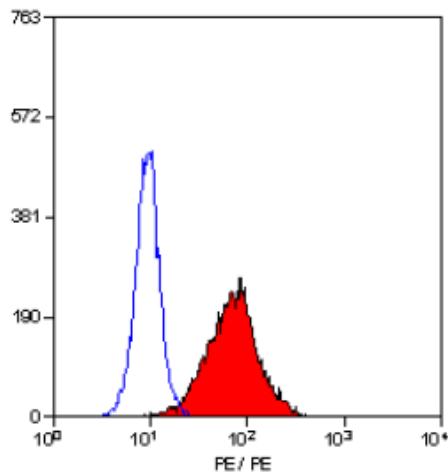
**Background:** TLR4, also known as CD284, has been demonstrated to act as a receptor for LPS on human monocytes and macrophages. TLR4 signalling of LPS stimulation requires the presence of the MD-2 molecule. TLR4 is weakly expressed by resting cells, but is upregulated following stimulation with LPS.

**Synonyms:** Toll-like receptor 4

**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** Pathogenic Escherichia coli infection, Toll-like receptor signaling pathway

### Product images:



Staining of U937 cells with RPE conjugated Mouse Anti Human CD284 Antibody PE (Cat.-No SM1677R).