

## 10-3522: Monoclonal Antibody to TLR4 (Clone : 3C3)(Discontinued)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	3C3
<b>Application :</b>	Functional Assay,FACS
<b>Reactivity :</b>	Human
<b>Gene :</b>	TLR4
<b>Gene ID :</b>	7099
<b>Uniprot ID :</b>	O00206
<b>Format :</b>	Purified
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	CHO cells expressing chimeric human TLR4/MD-2 fusion protein

### Description

The monoclonal antibody 10-3522 reacts with human Toll-like receptor 4 (TLR4, CD284). TLRs belong to a family of proteins that specifically recognize and sense microbial products. They are highly conserved throughout evolution. In *Drosophila*, toll is required for the anti-fungal response, while the related 18-wheeler is involved in antibacterial defences. TLRs identified as type I transmembrane signalling receptors act as innate immune recognition receptors against many pathogens. TLR4 is a functional receptor for gram-negative bacterial lipopolysaccharides (LPS). TLR4 associates with MD-2 which is absolutely required for LPS-induced activation of TLR4. TLR4 has been identified next to MD-2 and CD14 as a receptor that is central to the innate immune response to LPS of Gram-negative bacteria. The monoclonal antibody 3C3 is a TLR4 function-blocking antibody that is useful for studies on the role of TLR4 as a receptor for LPS induced cytokine production by TLR4 bearing cells.

### Product Info

<b>Amount :</b>	Monoclonal Antibody to TLR4 (Clone : 3C3)(Discontinued) / 500 µg
<b>Content :</b>	0.5 mg, 0.2 µm filtered antibody solution in PBS, containing 0.1% bovine serum albumin.
<b>Storage condition :</b>	Product should be stored at 4 °C. Under recommended storage conditions, product is stable for one year.

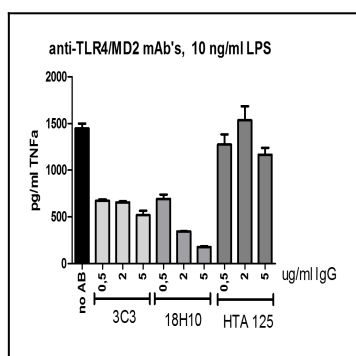


Figure-1: Functional study of human TLR4/MD-2 antibodies on TNF production in a whole blood model upon treatment with LPS 10 ng/ml.