9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

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

Clonality :	Monoclonal
Clone Name :	3C3
Application :	Functional Assay,FACS
Reactivity :	Human
Gene :	TLR4
Gene ID :	7099
Uniprot ID :	O00206
Format :	Purified
Isotype :	Mouse IgG1
Immunogen Information :	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

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

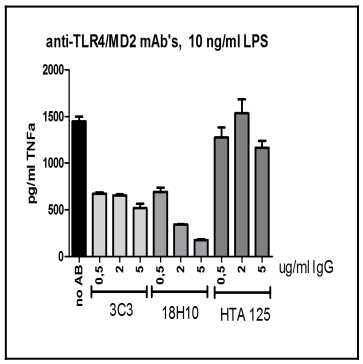


Figure-1: Functional study of human TLR4/MD-2 antibodies on TNF production in a whole blood model upon treatment with LPS 10 ng/ml.

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