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

10-3517: Monoclonal Antibody to Human TLR2 (Clone : TLR2.45)(Discontinued)

Clonality :	Monoclonal
Clone Name :	TLR2.45
Application :	Functional Assay,IP,FACS
Reactivity :	Human
Gene :	TLR2
Gene ID :	7097
Uniprot ID :	O60603
Format :	Purified
Alternative Name :	CD282, TIL4
Isotype :	Mouse IgG1

Description

The monoclonal antibody 10-3517 recognizes human TLR2 (CD282). Toll-like receptors (TLR) are highly conserved throughout evolution and are implicated in the innate defense to many pathogens. Mammalian TLRs have been identified as type I transmembrane signaling receptors with pattern recognition capabilities. TLRs recognize pathogen-associated molecular patterns (PAMPs), expressed on infectious agents, and mediate the production of cytokines necessary for the development of effective immunity. The various TLRs exhibit different patterns of expression. Among TLRs, TLR2 is an unique receptor recognizing lipoproteins of Gram-negative bacteria, several whole Gram-positive bacteria, as well as peptidoglycan, lipoteichoic acid and other bacterial cell membrane products. A functional interaction between TLR2 and TLR6 in the cellular response to various bacterial products has been discovered. Bacterial species as diverse as mycobacteria, spirochetes, mycoplasma, Staphylococcus aureus, and Streptococcus pneumoniae have all been shown to mediate cellular activation via TLR2 (CD282). TLR2 is highly expressed in peripheral blood leukocytes, in particular in monocytes, in bone marrow, lymph node and in spleen. Furthermore, TLR2 is detected in lung and fetal liver. In other tissues TLR2 levels are low. The TLR2.45 monoclonal antibody is generated using Ba/F3 cells which stably express human Flag-tagged TLR2.

Product Info

Amount :	Monoclonal Antibody to Human TLR2 (Clone : TLR2.45)(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.

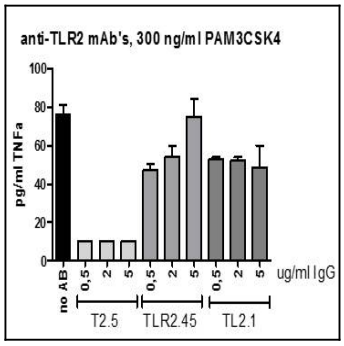


Figure-1: Functional study experiment is showing the effect of anti-TLR2 antibodies on TNF production in whole blood model upon treatment with PAM3CSK4 at 300 ng/ml.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.