

AM01317LE-N**Monoclonal Antibody to CD282 / TLR2 - Low Endotoxin**

Alternate names:	Toll-like receptor 2
Quantity:	0.5 mg
Concentration:	1.0 mg/ml
Background:	TRL2 is a 90kD type 1 transmembrane protein that is primarily expressed by peripheral blood monocytes. TLR2, also known as CD282, is reported to respond to a diverse range of bacterial cell wall components, mediating the innate immune response in co-operation with MD-2.
Uniprot ID:	O60603
NCBI:	9606
GeneID:	7097
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	SM10LE (for use in human samples)
Clone:	11G7
Format:	State: Liquid purified IgG fraction Purification: Affinity Chromatography on Protein G. Buffer System: PBS without stabilizer or preservative Endotoxin Level: <0.01 Eu/ug
Applications:	Immunoprecipitation. Flow Cytometry: Use 10 µl of 1/100-1/200 diluted antibody to label 1x10 ⁶ cells in 100 µl. Functional Assays: Antibody 11G7 has been reported to block IL-6 cytokine production in response to ara-lipoarabinomannan (araLAM) and tripalmitoyl cysteinyl lipopeptide (Pam3CSK4). 11G7 does not inhibit the production of cytokines induced by zymosan stimulation. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognizes the Toll-like receptor 2 (TLR2). Species: Human. Other species not tested.
Add. Information:	Endotoxin Level < 0.01 Eu/µg.
Storage:	Store the antibody undiluted at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Sandor F, Latz E, Re F, Mandell L, Repik G, Golenbock DT, et al. Importance of extra- and intracellular domains of TLR1 and TLR2 in NFkappa B signaling. J Cell Biol. 2003 Sep 15;162(6):1099-110. PubMed PMID: 12975352.