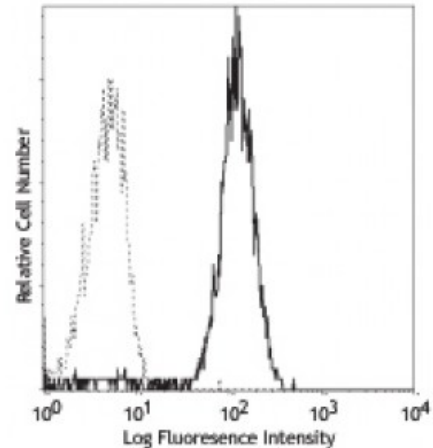


Purified anti-human CD282 (TLR2)

Catalog # / Size: 2148510 / 100 µg
Clone: TL2.1
Isotype: Mouse IgG2a, κ
Immunogen: Human TLR2-transfected CHO cells
Reactivity: Human
Preparation: The antibody was purified by affinity chromatography.
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration: 0.5



Human peripheral blood monocytes stained with TL2.1 FITC

Applications:

Applications: Other

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤2.0 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: The TL2.1 antibody is useful for blocking studies. It has been reported to block TLR2 agonist-induced cellular activation. Additional reported applications (for the relevant formats) include: inhibition of PGP activity and blocking of cytokine production^{1,3,7}, immunoprecipitation¹, immunohistochemistry of 4% paraformaldehyde-fixed frozen sections² and immunohistochemistry of HOPE-fixed (HEPES-glutamic acid buffer-mediated organic solvent protection effect) paraffin-embedded sections⁴, and Western blotting². The LEAF™ purified antibody (Endotoxin <0.1 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. No. 309709). For highly sensitive assays, we recommend Ultra-LEAF™ purified antibody (Cat. No. 309716) with a lower endotoxin limit than standard LEAF™ purified antibodies (Endotoxin <0.01 EU/microg).

- Application References:**
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Description: Toll-like receptors are type I transmembrane signaling receptors which are critical for the innate host defense to pathogens. Toll-like receptor 2 (TLR2), known as CD282, has been identified as a receptor that is central to the innate immune system's response to lipoproteins of Gram-negative bacteria and Gram-positive

bacteria, as well as a receptor for peptidoglycan and lipoteichoic acid and other bacterial cell membrane products.

Antigen
References:

1. Lien E, *et al.* 1999. *J. Biol. Chem.* 274:33419.
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3. Sabroe I, *et al.* 2002. *J. Immunol.* 168:4701