

CD282 (TLR2) Monoclonal Antibody (TL2.1), APC, eBioscience™

| Product Details | |
|-----------------------------|--|
| Size | 100 Tests |
| Species Reactivity | Human |
| Published Species | Human |
| Host/Isotype | Mouse / IgG2a, kappa |
| Recommended Isotype Control | Mouse IgG2a kappa Isotype Control (eBM2a), APC, eBioscience™ |
| Class | Monoclonal |
| Type | Antibody |
| Clone | TL2.1 |
| Conjugate | APC |
| Excitation/Emission Max | 651/660 nm |
| Form | Liquid |
| Concentration | 5 µL/Test |
| Purification | Affinity chromatography |
| Storage buffer | PBS, pH 7.2, with 0.2% BSA |
| Contains | 0.09% sodium azide |
| Storage conditions | 4° C, store in dark, DO NOT FREEZE! |
| RRID | AB_11042560 |

| Applications | Tested Dilution | Publications |
|---|------------------|-----------------|
| Immunohistochemistry (Paraffin) (IHC (P)) | - | 2 Publications |
| Immunohistochemistry (Frozen) (IHC (F)) | - | 1 Publication |
| Immunocytochemistry (ICC/IF) | - | 1 Publication |
| Flow Cytometry (Flow) | 5 µL (2 µg)/test | 14 Publications |
| Functional Assay (FN) | - | 5 Publications |
| Miscellaneous PubMed (Misc) | - | 1 Publication |

Product Specific Information

Description: The TL2.1 monoclonal antibody reacts with human Toll-like receptor 2 (TLR2). To date, at least ten members of the Toll family have been identified in human. This family of type I transmembrane proteins is characterized by an extracellular domain with leucine-rich repeats and a cytoplasmic domain with homology to the type I IL-1 receptor. Two of these receptors, TLR2 and TLR4, are pattern recognition receptors and signaling molecules in response to bacterial lipoproteins and have been implicated in innate immunity and inflammation. TLR2 is expressed by peripheral blood monocytes and is responsible for distinguishing different pathogens. TL2.1, a blocking antibody, has been used to study the role of TLR-2 as a pattern recognition receptor in microbial lipoprotein/lipopeptide induced cytokine production from human peripheral blood mononuclear cells. TL2.1 has been reported to immunoprecipitate human TLR2 (~90 kDa) from PBMC and HMEC.

Applications Reported: The TL2.1 antibody has been reported for use in flow cytometric analysis. It has also been reported in blocking of TLR2-mediated cytokine production.

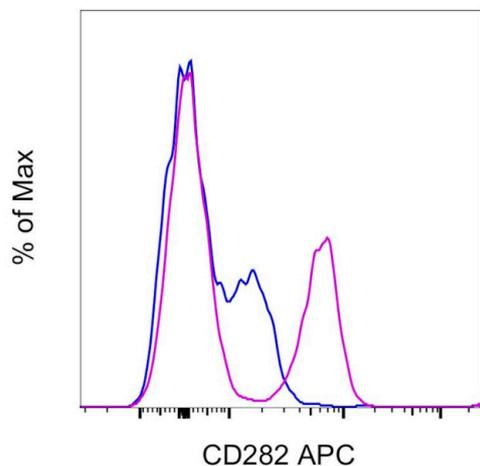
Applications Tested: This TL2.1 antibody has been pre-titrated and tested by flow cytometric analysis of normal human

peripheral blood cells. This can be used at 5 μL (2 μg) per test. A test is defined as the amount (μg) of antibody that will stain a cell sample in a final volume of 100 μL . Cell number should be determined empirically but can range from 10^5 to 10^8 cells /test.

Excitation: 633-647 nm; Emission: 660 nm; Laser: Red Laser.

Filtration: 0.2 μm post-manufacturing filtered.

Product Images For CD282 (TLR2) Monoclonal Antibody (TL2.1), APC, eBioscience™



CD282 (TLR2) Antibody (17-9922-42) in Flow

Normal human peripheral blood cells were stained with Mouse IgG2a kappa Isotype Control, APC (Product # 17-4724-81) (blue histogram) or CD282 (TLR2) Monoclonal Antibody, APC (purple histogram). Cells in the monocyte gate were used for analysis.

[View more figures on thermofisher.com](https://www.thermofisher.com)

24 References

Immunohistochemistry (Paraffin) (2)

Histochemistry and cell biology

Toll-like receptor 2 is expressed by alveolar epithelial cells type II and macrophages in the human lung.

Authors: Droemann D,Goldmann T,Branscheid D,Clark R,Dalhoff K,Zabel P,Vollmer E

Year
2003

Oral microbiology and immunology

Immunohistochemical localization of Toll-like receptors 2 and 4 in gingival tissue from patients with periodontitis.

Authors: Mori Y,Yoshimura A,Ukai T,Lien E,Espevik T,Hara Y

Year
2003

Immunohistochemistry (Frozen) (1)

Journal of immunology (Baltimore, Md. : 1950)

Intracellularly expressed TLR2s and TLR4s contribution to an immunosilent environment at the ocular mucosal epithelium.

Authors: Ueta M,Nochi T,Jang MH,Park EJ,Igarashi O,Hino A,Kawasaki S,Shikina T,Hiroi T,Kinoshita S,Kiyono H

Year
2004

Immunocytochemistry (1)

Veterinary immunology and immunopathology

Antibodies specific for human or murine Toll-like receptors detect canine leukocytes by flow cytometry.

Authors: Burgener IA,Jungi TW

Year
2008

More applications with references on thermofisher.com

Flow (14)

FN (5)

Misc (1)

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