

# 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.

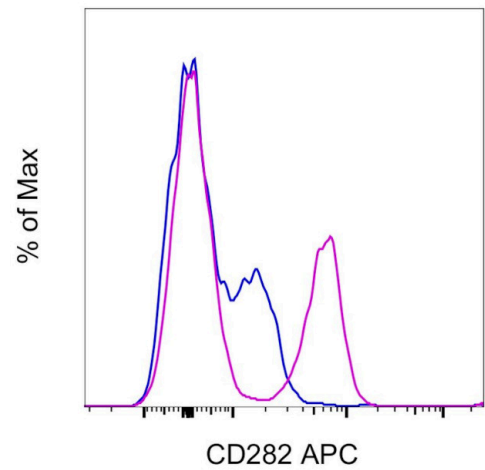
**Applications Tested:** This TL2.1 antibody has been pre-titrated and tested by flow cytometric analysis of normal human

peripheral blood cells. This can be used at 5  $\mu$ L (2  $\mu$ g) per test. A test is defined as the amount ( $\mu$ g) of antibody that will stain a cell sample in a final volume of 100  $\mu$ L. 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  $\mu$ m 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](#)

Immunohistochemistry (Paraffin) (2)

<p>Histochemistry and cell biology</p> <p><b>Toll-like receptor 2 is expressed by alveolar epithelial cells type II and macrophages in the human lung.</b></p> <p>Authors: Droemann D,Goldmann T,Branscheid D,Clark R,Dalhoff K,Zabel P,Vollmer E</p>	<p>Year 2003</p>
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<p>Oral microbiology and immunology</p> <p><b>Immunohistochemical localization of Toll-like receptors 2 and 4 in gingival tissue from patients with periodontitis.</b></p> <p>Authors: Mori Y,Yoshimura A,Ukai T,Lien E,Espevik T,Hara Y</p>	<p>Year 2003</p>
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Immunohistochemistry (Frozen) (1)

<p>Journal of immunology (Baltimore, Md. : 1950)</p> <p><b>Intracellularly expressed TLR2s and TLR4s contribution to an immunosilent environment at the ocular mucosal epithelium.</b></p> <p>Authors: Ueta M,Nochi T,Jang MH,Park EJ,Igarashi O,Hino A,Kawasaki S,Shikina T,Hiroi T,Kinoshita S,Kiyono H</p>	<p>Year 2004</p>
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Immunocytochemistry (1)

<p>Veterinary immunology and immunopathology</p> <p><b>Antibodies specific for human or murine Toll-like receptors detect canine leukocytes by flow cytometry.</b></p> <p>Authors: Burgener IA,Jungi TW</p>	<p>Year 2008</p>
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More applications with references on thermofisher.com

- Flow (14)
- FN (5)
- Misc (1)

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