

CD282 (TLR2) Monoclonal Antibody (TL2.1), Alexa Fluor 488, 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), Alexa Fluor 488, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	TL2.1
Conjugate	Alexa Fluor® 488
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin, 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_1963628

Applications	Tested Dilution	Publications
Western Blot (WB)	-	2 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	2 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	2 Publications
Immunocytochemistry (ICC/IF)	-	2 Publications
Flow Cytometry (Flow)	5 µL (1 µg)/test	5 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.

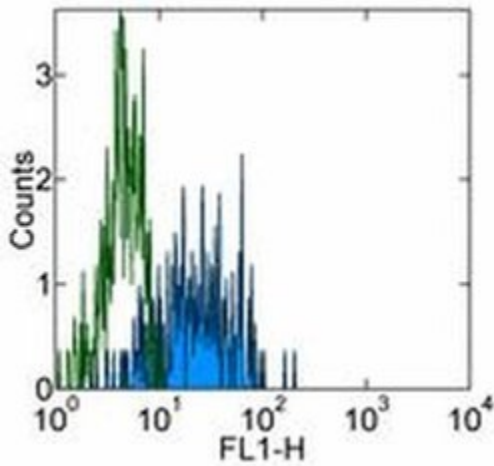
Applications Reported: This TL2.1 antibody has been reported for use in flow cytometric analysis.

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 (1 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: 488 nm; Emission: 519 nm; Laser: Blue Laser.

Filtration: 0.2 μm post-manufacturing filtered.

Product Images For CD282 (TLR2) Monoclonal Antibody (TL2.1), Alexa Fluor 488, eBioscience™



CD282 (TLR2) Antibody (53-9922-42) in Flow

Staining of normal human peripheral blood cells with Mouse IgG2a kappa Isotype Control Alexa Fluor® 488 (Product # 53-4724-80) (open histogram) or Anti-Human CD282 (TLR2) Alexa Fluor® 488 (filled histogram). Cells in the monocyte gate were used for analysis.

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

Western Blot (2)

Scientific reports

Peptidoglycan mediates *Leptospira* outer membrane protein Loa22 to toll-like receptor 2 for inflammatory interaction: a novel innate immune recognition.

"Published figure using CD282 (TLR2) monoclonal antibody (Product # 53-9922-42) in Immunocytochemistry"

Authors: Hsu SH,Chang MY,Lin SM,Ko YC,Chou LF,Tian YC,Hung CC,Yang CW

Species
Not Applicable

Dilution
Not Cited

Year
2021

The Journal of pathology

Ultraviolet-inactivated human cytomegalovirus induces placental syncytiotrophoblast apoptosis in a Toll-like receptor-2 and tumour necrosis factor-alpha dependent manner.

Authors: Chan G,Guilbert LJ

Species
Not Applicable

Dilution
Not Cited

Year
2006

Immunohistochemistry (Paraffin) (2)

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

Species
Not Applicable

Dilution
Not Cited

Year
2003

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

Species
Not Applicable

Dilution
Not Cited

Year
2003

More applications with references on thermofisher.com

IHC (F) (2) ICC/IF (2) Flow (5) FN (5) Misc (1)

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