

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

Product Details	
Size	100 µg
Species Reactivity	Human
Published Species	Human
Host/Isotope	Mouse / IgG2a, kappa
Recommended Isotype Control	Mouse IgG2a kappa Isotype Control (eBM2a), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	TL2.1
Conjugate	Biotin
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_466990

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	1 µg/test	4 Publications
Functional Assay (FN)	-	5 Publications
Immunofluorescence (IF)	-	1 Publication
Immunohistochemistry (Frozen) (IHC (F))	-	2 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	2 Publications
Miscellaneous PubMed (Misc)	-	3 Publications
Western Blot (WB)	-	2 Publications

Product Specific Information

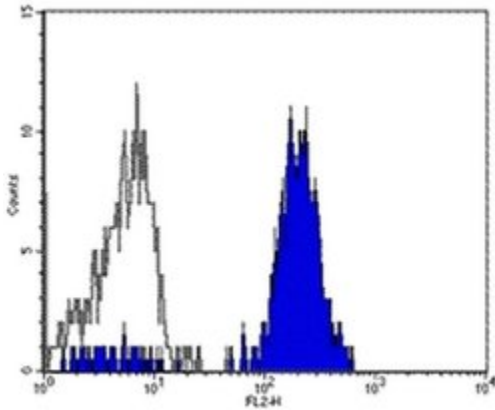
Description: The TL2.1 monoclonal antibody reacts with human Toll-like receptor 2 (TLR2). To date, at least ten members of the Toll family have been identified in human. This family of type I transmembrane proteins is characterized by an extracellular domain with leucine-rich repeats and a cytoplasmic 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.

Applications Tested: The TL2.1 antibody has been tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at less than or equal to 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 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Filtration: 0.2 µm post-manufacturing filtered.

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



CD282 (TLR2) Antibody (13-9922-82) in Flow

Staining of normal human peripheral blood monocytes with Mouse IgG2a Isotype Control Biotin (Product # 13-4724-85) or Anti-Human CD282 (TLR2) Biotin followed by Streptavidin PE (Product # 12-4317-87).

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

19 References

Flow Cytometry (4)

Oncology reports

Activation of the Tolllike receptor 2 signaling pathway inhibits the proliferation of HCC cells in vitro.

"Published figure using CD282 (TLR2) monoclonal antibody (Product # 13-9922-82) in Flow Cytometry"

Authors: Chen Y,Huang Z,Chen X,Ye H

Species
Not Applicable

Dilution
Not Cited

Year
2019

Molecular medicine reports

n-butanol extract from Folium isatidis inhibits the lipopolysaccharide-induced downregulation of CXCR1 and CXCR2 on human neutrophils.

"Published figure using CD282 (TLR2) monoclonal antibody (Product # 13-9922-82) in Flow Cytometry"

Authors: Wu B,Wang L,Jiang L,Dong L,Xu F,Lu Y,Jin J,Wang Z,Liang G,Shan X

Species
Not Applicable

Dilution
Not Cited

Year
2018

[View more Flow references on thermofisher.com](#)

Western Blot (2)

European journal of immunology

E-cadherin interactions are required for Langerhans cell differentiation.

"13-9922 was used in Western Blotting to show that E-cadherin expressed by epidermal keratinocytes is crucial for differentiation of LCs."

Authors: Mayumi N,Watanabe E,Norose Y,Watari E,Kawana S,Geijtenbeek TB,Takahashi H

Species
Human

Dilution
Not Cited

Year
2013

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

More applications with references on thermofisher.com

Misc (3)

IF (1)

FN (5)

IHC (F) (2)

IHC (P) (2)

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