CD36 Monoclonal Antibody (eBioNL07 (NL07)), FITC, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgM
Recommended Isotype Control	Mouse IgM Isotype Control (11E10), FITC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	eBioNL07 (NL07)
Conjugate	FITC
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_10718972

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	2 Publications
Flow Cytometry (Flow)	5 µL (0.25 µg)/test	8 Publications
ChIP assay (ChIP)	-	1 Publication

Product Specific Information

Description: The monoclonal antibody eBioNL07 recognizes human CD36, which is a member of the class B scavenger receptor family. CD36 was originally identified as a platelet-membrane glycoprotein also called glycoprotein IV and a receptor for thrombospondin-1 (TSP-1) and extracellular matrix proteins. Binding to TSP-1 is in the CLESH (CD36 LIMP-II Emp sequence homology) domain of CD36. CD36 expression is broad and includes microvascular (but not large vessel) endothelium, adipocytes, skeletal muscle, dendritic cells, epithelia of the retina, breast, and intestine, smooth muscle cells, and hematopoietic cells, including erythroid precursors, platelets, monocytes/macrophages, DCs and megakaryocytes. Expression on platelets is absent on Nak-a negative donors. Unlike other scavenger receptor, CD36 binds LDL that has been exposed to "minimally" oxidizing conditions. CD36 is also a fatty acid translocase (FAT) necessary for the transport of long-chain fatty acids (LCFAs) and therefore may play a role in atherosclerosis.

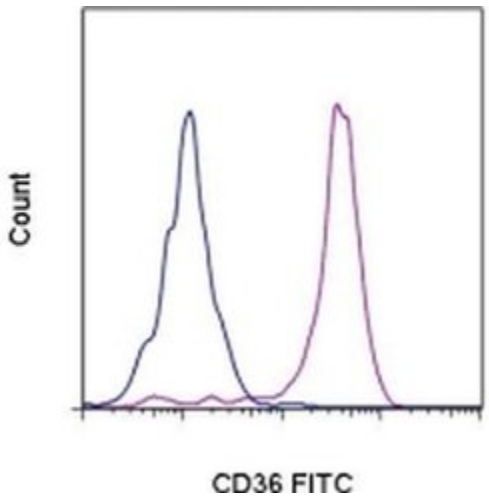
Applications Reported: This eBioNL07 (NL07) antibody has been reported for use in flow cytometric analysis.

Applications Tested: This eBioNL07 (NL07) antibody has been pre-titrated and tested by flow cytometric analysis. This can be used at 5 µL (0.25 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: 520 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD36 Monoclonal Antibody (eBioNL07 (NL07)), FITC, eBioscience™



CD36 Antibody (11-0369-42) in Flow
Staining of normal human peripheral blood cells with Mouse IgM Isotype Control FITC (Product # 11-4752-80) (blue histogram) or Anti-Human CD36 FITC (purple histogram). Cells in the monocyte gate were used for analysis.

View more figures on thermofisher.com

11 References

Immunohistochemistry (2)

The Journal of investigative dermatology

Spatial and Single-Cell Transcriptional Profiling Identifies Functionally Distinct Human Dermal Fibroblast Subpopulations.

Authors: Philippeos C,Telerman SB,Oulès B,Pisco AO,Shaw TJ,Elgueta R,Lombardi G,Driskell RR,Soldin M,Lynch MD, Watt FM

Species Human

Dilution Not Cited

Year 2018

Oncogene

Terminal differentiation and loss of tumorigenicity of human cancers via pluripotency-based reprogramming.

"11-0369 was used in Flow cytometry/Cell sorting to investigate the potential of nuclear reprogramming as a broadly applicable therapeutic strategy for the treatment of cancer."

Authors: Zhang X,Cruz FD,Terry M,Remotti F,Matushansky I

Species Human

Dilution Not Cited

Year 2013

Flow Cytometry (8)

Molecular cell

Single-Cell Analyses Reveal Megakaryocyte-Biased Hematopoiesis in Myelofibrosis and Identify Mutant Clone-Specific Targets.

"11-0369 was used in Flow cytometry/Cell sorting to determine the basis for aberrant megakaryopoiesis in myelofibrosis using single-cell-omics."

Authors: Psaila B,Wang G,Rodriguez-Meira A,Li R,Heuston EF,Murphy L,Yee D,Hitchcock IS,Sousos N,O'Sullivan J, Anderson S,Senis YA,Weinberg OK,Calicchio ML,Iskander D,Royston D,Milojkovic D,Roberts I,Bodine DM,Thongjuea S,Mead AJ

Species Human

Dilution Not Cited

Year 2020

The Journal of investigative dermatology

Spatial and Single-Cell Transcriptional Profiling Identifies Functionally Distinct Human Dermal Fibroblast Subpopulations.

Authors: Philippeos C,Telerman SB,Oulès B,Pisco AO,Shaw TJ,Elgueta R,Lombardi G,Driskell RR,Soldin M,Lynch MD, Watt FM

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Dilution Not Cited

Year 2018

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ChIP (1)