CD299 (DC-SIGN/L) Monoclonal Antibody (16E7), 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	16E7
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_2573194

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.125 µg)/test	1 Publication

Product Specific Information

Description: The 16E7 monoclonal antibody recognizes human CD299, which is also known as DC-SIGNR or L-SIGN. A homolog of DC-SIGN, CD299 is an oligomeric type II transmembrane protein expressed on dendritic cells, macrophages in the lung, and endothelial cells in the liver. This C-type lectin binds ICAM-3 to mediate the interaction between dendritic cells and T cells. CD299 also binds the gp120 protein of HIV and the E2 envelope protein of HCV, thereby playing a role in viral infection.

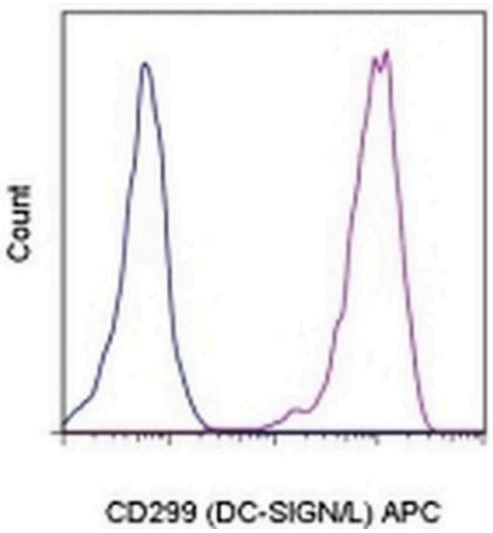
Applications Reported: This 16E7 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This 16E7 antibody has been pre-titrated and tested by flow cytometric analysis of normal human monocyte-derived dendritic cells. This can be used at 5 µL (0.125 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 CD299 (DC-SIGN/L) Monoclonal Antibody (16E7), APC, eBioscience™



CD299 (DC-SIGN/L) Antibody (17-2999-42) in Flow
Staining of normal human monocyte-derived dendritic cells with Mouse IgG2a K Isotype Control APC (Product # 17-4724-81) (blue histogram) or Anti-Human CD299 (DC-SIGN/L) APC (purple histogram). Total viable cells were used for analysis.

1 Reference

Flow Cytometry (1)

Cell reports

Comparison of Human Antral Follicles of Xenograft versus Ovarian Origin Reveals Disparate Molecular Signatures.

"17-2999 was used in Flow cytometry/Cell sorting to capture a high-resolution transcriptional signature of granulosa and theca subpopulations and provide a systems-level portrait of cellular diversification in early antral human follicles."

Authors: Man L,Lustgarten-Guahmich N,Kallinos E,Redhead-Laconte Z,Liu S,Schattman B,Redmond D,Hancock K, Zaninovic N,Schattman G,Rosenwaks Z,James D

Year
2020

Species
Human

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