CD335 (NKp46) Monoclonal Antibody (9E2), APC, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	9E2
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_2573200

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.125 µg)/test	3 Publications

Product Specific Information

Description: This 9E2 monoclonal antibody reacts with human CD335, which is also known as NKp46. Expressed on NK cells, CD335 is a member of the natural cytotoxicity receptor family that also includes NKp30 and NKp44. This type I transmembrane glycoprotein is involved in activating and expanding resting NK cells following interaction with dendritic cells to eliminate tumor and virus-infected (e.g., influenza) cells. CD335 also interacts with pancreatic beta cells during the development of type I diabetes.

The 9E2 antibody has been reported to induce cytotoxicity.

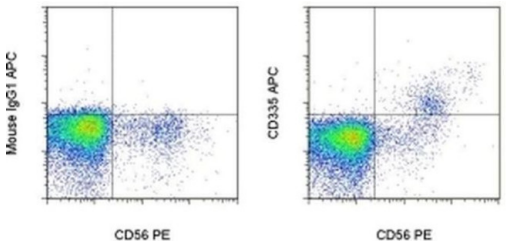
Applications Reported: This 9E2 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This 9E2 antibody has been pre-titrated and tested by flow cytometric analysis of normal human periheral blood 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 CD335 (NKp46) Monoclonal Antibody (9E2), APC, eBioscience™



CD335 (NKp46) Antibody (17-3359-42) in Flow
Staining of normal human peripheral blood cells with Anti-Human CD56 (NCAM) PE (Product # 12-0567-42) and Mouse IgG1 K Isotype Control APC (Product # 17-4714-81) (left) or Anti-Human CD335 (NKp46) APC (right). Cells in the lymphocyte gate were used for analysis.

3 References

Flow Cytometry (3)

Genes & diseases

The number and cytotoxicity and the expression of cytotoxicity-related molecules in peripheral natural killer (NK) cells do not predict the repeated implantation failure (RIF) for the *in vitro* fertilization patients.

"17-3359-42 was used in Flow Cytometry to suggest that RIF is not associated with significant alterations in the number or function of peripheral blood NK cells."

Authors: Zhang H,Huang C,Chen X,Li L,Liu S,Li Y,Zhang Y,Zeng Y,Hu L

Year
2020

Species
Human

BMC cancer

Cytotoxic effects of ex vivo-expanded natural killer cell-enriched lymphocytes (MYJ1633) against liver cancer.

"Published figure using CD335 (NKp46) monoclonal antibody (Product # 17-3359-42) in Flow Cytometry"

Authors: Choi JW,Lee ES,Kim SY,Park SI,Oh S,Kang JH,Ryu HA,Lee S

Year
2019

View more Flow references on thermofisher.com

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