

CD96 (TACTILE) Monoclonal Antibody (NK92.39), PE, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human
Host/Isotope	Mouse / IgG1
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	NK92.39
Conjugate	PE
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_10596802

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.5 µg)/test	4 Publications

Product Specific Information

Description: The NK92.39.1 monoclonal antibody reacts with human CD96 also known as TACTILE (T cells-activated increased late expression). CD96 is a type I membrane protein of the Immunoglobulin Superfamily. CD96 promotes NK cell adhesion to cells expressing the polio virus receptor (CD155). Therefore CD96 is an additional receptor for CD155. After binding of PVR to CD96, the PVR can be transferred to the target cell and CD96 can be internalized with bound PVR. This internalization may lead to cell death of the NK cell. This phenomenon may be significant in tumor cells which express high levels of PVR. Furthermore expression of CD96 has been found in the majority of CD34(+)CD38(-) Acute Myeloid Leukemic cells.

The NK92.39.1 antibody can block binding of soluble CD155 to NK cell lines.

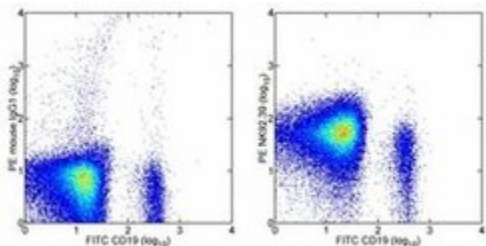
Applications Reported: This NK92.39 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This NK92.39 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.5 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.

Excitation: 488-561 nm; Emission: 578 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD96 (TACTILE) Monoclonal Antibody (NK92.39), PE, eBioscience™



CD96 (TACTILE) Antibody (12-0969-42) in Flow

Staining of normal human peripheral blood cells with Anti-Human CD19 FITC (Product # 11-0199-42) and Mouse IgG1 kappa Isotype Control PE (Product # 12-4714-81) (left) or Anti-Human CD96 (TACTILE) PE (right). Cells in the lymphocyte gate were used for analysis.

4 References

Flow Cytometry (4)

Oncoimmunology

Stress-related and homeostatic cytokines regulate V9V2 T-cell surveillance of mevalonate metabolism.

"12-0969 was used in Flow cytometry/Cell sorting to investigate the use of mevalonate metabolites as therapeutic targets for cancer, showing that cytokines regulate V9V2 T-cell surveillance of mevalonate metabolism."

Authors: Gruenbacher G, Nussbaumer O, Gander H, Steiner B, Leonhartsberger N, Thurnher M

Species
Human

Dilution
Not Cited

Year
2019

Cytherapy

Continuously expanding CAR NK-92 cells display selective cytotoxicity against B-cell leukemia and lymphoma.

"12096942 was used in flow cytometry to discuss the use of natural killer cells for clinical applications"

Authors: Oelsner S, Friede ME, Zhang C, Wagner J, Badura S, Bader P, Ullrich E, Ottmann OG, Klingemann H, Tonn T, Wels WS

Species
Human

Dilution
Not Cited

Year
2017

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

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