

CD69 Monoclonal Antibody (FN50), 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 | FN50 |
| 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_2016681 |

| Applications | Tested Dilution | Publications |
|-----------------------|----------------------|-----------------|
| Flow Cytometry (Flow) | 5 µL (0.015 µg)/test | 24 Publications |

Product Specific Information

Description: The FN50 monoclonal antibody reacts with human CD69, also known as very early activation antigen (VEA). CD69 is approximately 30 kDa and is expressed on the cell-surface as a disulfide-linked dimer. CD69 is rapidly upregulated upon activation and expressed on lymphocytes, monocytes and platelets.

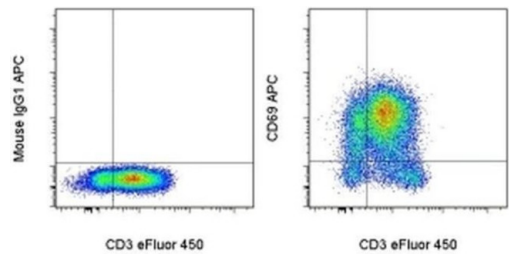
Applications Reported: This FN50 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This FN50 antibody has been pre-titrated and tested by flow cytometric analysis of stimulated normal human peripheral blood cells. This can be used at 5 µL (0.015 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: 633-647 nm; **Emission:** 660 nm; **Laser:** Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD69 Monoclonal Antibody (FN50), APC, eBioscience™



CD69 Antibody (17-0699-42) in Flow
Staining of overnight PHA-stimulated normal human peripheral blood cells with Anti-Human CD3 eFluor® 450 (Product # 48-0037-42) and Mouse IgG1 K Isotype Control APC (Product # 17-4714-81) (left) or Anti-Human CD69 APC (right). Cells in the lymphocyte gate were used for analysis.

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24 References

Flow Cytometry (24)

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| <p>Cells</p> <p>Modification of Hinge/Transmembrane and Signal Transduction Domains Improves the Expression and Signaling Threshold of GXMR-CAR Specific to <i>Cryptococcus</i> spp.</p> <p>"17-0699-42 was used in Flow cytometry/Cell sorting to optimize novel second-generation GXMR-CARs containing the CD8-hinge/transmembrane domain that improved CAR expression, antigen recognition, and signal strength in T-cell activation."</p> <p>Authors: Dos Santos MH,Machado MP,Kumaresan PR,da Silva TA</p> | <p>Year 2022</p> <p>Species Human</p> |
| <p>Nature communications</p> <p>SARS CoV-2 mRNA vaccination exposes latent HIV to Nef-specific CD8⁺ T-cells.</p> <p>"Published figure using CD69 monoclonal antibody (Product # 17-0699-42) in Flow Cytometry"</p> <p>Authors: Stevenson EM,Terry S,Copertino D,Leyre L,Danesh A,Weiler J,Ward AR,Khadka P,McNeil E,Bernard K,Miller IG,Ellsworth GB,Johnston CD,Finkelsztejn EJ,Zumbo P,Betel D,Dündar F,Duncan MC,Lapointe HR,Speckmaier S, Moran-Garcia N,Papa MP,Nicholes S,Stover CJ,Lynch RM,Caskey M,Gaebler C,Chun TW,Bosque A,Wilkin TJ, Lee GQ, Brumme ZL,Jones RB</p> | <p>Year 2022</p> |

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More applications with references on thermofisher.cn

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