

CD69 Monoclonal Antibody (FN50), PE-Cyanine7, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Mouse, Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), PE-Cyanine7, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	FN50
Conjugate	PE-Cyanine7
Excitation/Emission Max	569/780 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_1548714

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.03 µg)/test	23 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 resting and 6-hour TPA-activated human normal human peripheral blood cells. This can be used at 5 µL (0.06 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.

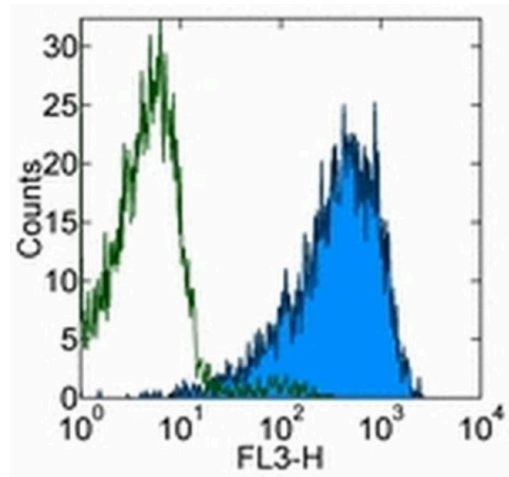
Light sensitivity: This tandem dye is sensitive photo-induced oxidation. Please protect this vial and stained samples from light.

Fixation: Samples can be stored in IC Fixation Buffer (cat. 00-8222) (100 µL cell sample + 100 µL IC Fixation Buffer) or 1-step Fix/Lyse Solution (cat. 00-5333) for up to 3 days in the dark at 4°C with minimal impact on brightness and FRET efficiency /compensation. Some generalizations regarding fluorophore performance after fixation can be made, but clone specific performance should be determined empirically.

Excitation: 488-561 nm; **Emission:** 775 nm; **Laser:** Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD69 Monoclonal Antibody (FN50), PE-Cyanine7, eBioscience™



CD69 Antibody (25-0699-42) in Flow
Staining of PHA-stimulated normal human peripheral blood cells with Mouse IgG1 K Isotype Control PE-Cyanine7 (Product # 25-4714-80) (open histogram) or Anti-Human CD69 PE-Cyanine7 (filled histogram). Total cells were used for analysis.

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23 References

Flow Cytometry (23)

Nature communications	Year 2022
SARS CoV-2 mRNA vaccination exposes latent HIV to Nef-specific CD8⁺ T-cells. "Published figure using CD69 monoclonal antibody (Product # 25-0699-42) in Flow Cytometry" 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, Gäebler C, Chun TW, Bosque A, Wilkin TJ, Lee GQ, Brumme ZL, Jones RB	
Frontiers in cell and developmental biology	Year 2022
Dysregulated Peripheral Invariant Natural Killer T Cells in Plaque Psoriasis Patients. "Published figure using CD69 monoclonal antibody (Product # 25-0699-42) in Flow Cytometry" Authors: Hu Y, Chen Y, Chen Z, Zhang X, Guo C, Yu Z, Xu P, Sun L, Zhou X, Gong Y, Yu Q, Shi Y	

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More applications with references on thermofisher.com

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