

CD69 Monoclonal Antibody (FN50), PE, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human, Mouse, Rhesus monkey
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	FN50
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_10733526

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.015 µg)/test	22 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.

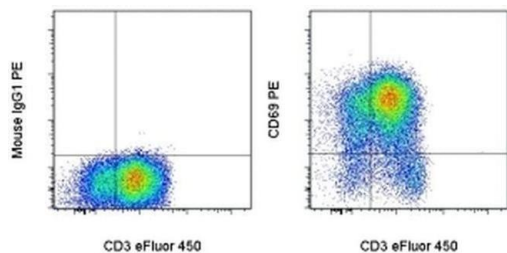
Applications Reported: The FN50 antibody has been reported for use in flow cytometric analysis.

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

Filtration: 0.2 µm post-manufacturing filtered.

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



CD69 Antibody (12-0699-42) 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 PE (Product # 12-4714-81) (left) or Anti-Human CD69 PE (right). Cells in the lymphocyte gate were used for analysis.

[View more figures on thermofisher.com](#)

22 References

Flow Cytometry (22)

The Journal of biological chemistry

T cell receptor-dependent S-acylation of ZAP-70 controls activation of T cells.

"Published figure using CD69 monoclonal antibody (Product # 12-0699-42) in Flow Cytometry"

Authors: Tewari R, Shayahati B, Fan Y, Akimzhanov AM

Species
Not Applicable

Dilution
Not Cited

Year
2021

Cancers

Murlentamab, a Low Fucosylated Anti-Müllerian Hormone Type II Receptor (AMHRII) Antibody, Exhibits Anti-Tumor Activity through Tumor-Associated Macrophage Reprogramming and T Cell Activation.

"12-0699 was used in Flow cytometry/Cell sorting to demonstrate here that the murlentamab opsonization of AMHRII-expressing ovarian tumor cells, in the presence of unstimulated- or tumor-associated macrophage (TAM)-like macrophages, significantly promotes macrophage-mediated ADCC and shifts the whole microenvironment towards a pro-inflammatory and anti-tumoral status, thus triggering anti-tumor activity."

Authors: Prat M, Salon M, Allain T, Dubreuil O, Noël G, Preisser L, Jean B, Cassard L, Lemée F, Tabah-Fish I, Pipy B, Jeannin P, Prost JF, Barret JM, Coste A

Species
Human

Dilution
Not Cited

Year
2021

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

More applications with references on thermofisher.com

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