CD69 Monoclonal Antibody (H1.2F3), PE-Cyanine7, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Armenian hamster / IgG
Recommended Isotype Control	Armenian Hamster IgG Isotype Control (eBio299Arm), PE-Cyanine7, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	H1.2F3
Conjugate	PE-Cyanine7
Excitation/Emission Max	569/780 nm
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_469637

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.5 µg/test	76 Publications

Product Specific Information

Description: The H1.2F3 monoclonal antibody reacts with mouse CD69, also known as very early activation antigen (VEA). CD69 is approximately 35 kDa and is expressed on the surface as a disulfide-linked dimer. While a small subset of lymphocytes in the thymus, spleen and lymph nodes express this antigen, activation of both T and B cells rapidly upregulates the surface expression of CD69, suggesting a role for CD69 in lymphocyte development and activation.

Applications Reported: The H1.2F3 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This H1.2F3 antibody has been tested by flow cytometric analysis of resting and activated mouse splenocytes. This can be used at less than or equal to 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 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

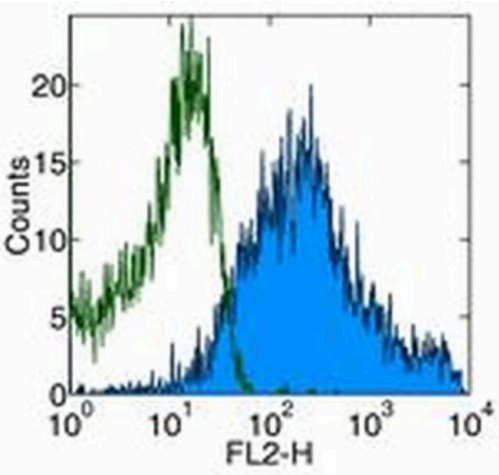
Light sensitivity: This tandem dye is sensitive photo-induced oxidation. Please protect this vial and stained samples from light.

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 (H1.2F3), PE-Cyanine7, eBioscience™



CD69 Antibody (25-0691-82) in Flow
Staining of ConA-stimulated splenocytes with Anti-Mouse CD69 PE. Appropriate isotype controls were used (open histogram). Total viable cells were used for analysis.

View more figures on thermofisher.com

76 References

Flow Cytometry (76)

NPJ vaccines

Enhanced germinal center reaction by targeting vaccine antigen to major histocompatibility complex class II molecules.

"Published figure using CD69 monoclonal antibody (Product # 25-0691-82) in Flow Cytometry"

Authors: Andersen TK,Huszthy PC,Gopalakrishnan RP,Jacobsen JT,Fauskanger M,Tveita AA,Grødeland G,Bogen B

Year
2023

Theranostics

HSF1 promotes CD69$^+$ Treg differentiation to inhibit colitis progression.

"Published figure using CD69 monoclonal antibody (Product # 25-0691-82) in Flow Cytometry"

Authors: Yu L,Zhou B,Zhu Y,Li L,Zhong Y,Zhu L,Wang H,Chen H,Xu J,Guo T,Feng L,Wang X,Cai Z,Wang J,Jin H

Year
2023

View more Flow references on thermofisher.com

More applications with references on thermofisher.com

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