

CD69 Monoclonal Antibody (H1.2F3), PerCP-Cyanine5.5, 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), PerCP-Cyanine5.5, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	H1.2F3
Conjugate	PerCP-Cyanine5.5
Excitation/Emission Max	489/679 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_1210703

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.5 µg/test	66 Publications

Product Specific Information

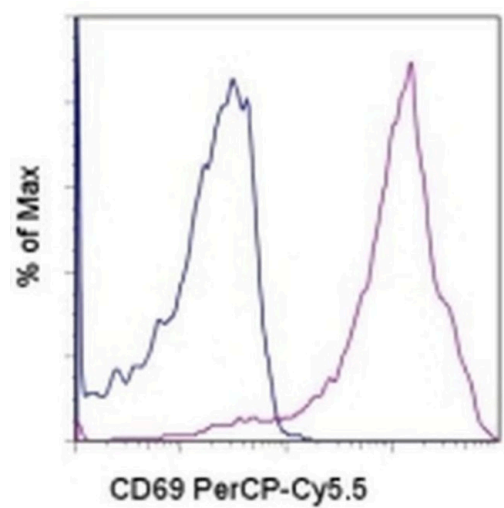
Description: The H1.2F3 monoclonal antibody reacts with mouse CD69, also known as very early activation antigen (VEA). CD69 is approximately 35 kDa and is expressed on the surface as a disulfide-linked dimer. While a small subset of lymphocytes in the thymus, spleen and lymph nodes express this antigen, 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: This 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 activated 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.

Excitation: 488 nm; Emission: 695 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.



CD69 Antibody (45-0691-82) in Flow
Staining of 1-day ConA-stimulated BALB/c splenocytes with 0.25 µg of Armenian Hamster IgG Isotype Control PerCP-Cyanine5-5 (Product # 45-4888-80) (open histogram) or 0.25 µg of Anti-Mouse CD69 PerCP-Cyanine5-5 (filled histogram). Total viable cells were used for analysis.

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66 References

Flow Cytometry (66)

NPJ vaccines		Year 2023
Enhanced germinal center reaction by targeting vaccine antigen to major histocompatibility complex class II molecules.		
"Published figure using CD69 monoclonal antibody (Product # 45-0691-82) in Flow Cytometry"		
Authors: Andersen TK,Huszthy PC,Gopalakrishnan RP,Jacobsen JT,Fauskanger M,Tveita AA,Grødeland G,Bogen B		
Theranostics		Year 2023
HSF1 promotes CD69⁺ Treg differentiation to inhibit colitis progression.		
"Published figure using CD69 monoclonal antibody (Product # 45-0691-82) 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		

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

More applications with references on thermofisher.cn

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