

CD69 Monoclonal Antibody (H1.2F3), PerCP-Cyanine5.5

Catalog NumberA16367

Product data sheet

Details		Species Reactivity	
Size	25 µg	Species reactivity	Mouse
Host/Isotope	Armenian hamster / IgG	Published species	Mouse
Class	Monoclonal	Tested Applications	
Type	Antibody	Flow Cytometry (Flow)	Dilution * Assay-dependent
Clone	H1.2F3	Published Applications	
Immunogen	Murine dendritic epidermal T cell line Y245.	Miscellaneous PubMed (Misc)	See 1 publications below
Conjugate	PerCP-Cyanine5.5	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Form	Liquid		
Concentration	0.2 mg/mL		
Storage Conditions	4° C		

Background/Target Information

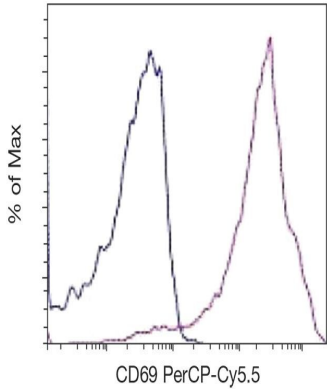
CD69 (AIM, Active Inducer Molecule) is a gp28/34 disulfide bonded homodimer with a molecular weight of 60 kDa under non-reducing conditions. CD69 contains one or two N linked oligosacaride and the molecule is present on activated platelets. In normal peripheral blood a variable percentage of cells express the CD69 antigen, and it is involved in lymphocyte signal transduction. Expression CD69 is induced upon activation of T lymphocytes, and may play a role in proliferation. Furthermore, the protein may act to transmit signals in natural killer cells and platelets. Alternative splicing results in multiple transcript variants of CD69. Diseases associated with CD69 dysfunction include coccidioidomycosis and asthma.

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CD69 Antibody (A16367) in Flow

Staining of 1-day ConA-stimulated BALB/c splenocytes with 0.25 ug of Armenian Hamster IgG Isotype Control PerCP-Cyanine5.5 (open histogram) or 0.25 ug of Anti-Mouse CD69 PerCPCyanine5.5 (filled histogram, A16367). Total viable cells were used for analysis.

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PubMed References For CD69 Monoclonal Antibody (H1.2F3), PerCP-Cyanine5.5

1 Miscellaneous PubMed References

Species / Dilution	Summary
Mouse / Not Cited	A16367 was used in flow cytometry to use the Friend retrovirus mouse model to elucidate the mode of action of poly(I:C) in antiretroviral immunotherapy
	Journal of immunology (Baltimore, Md. : 1950) (2010; 185: 6179)
	"Polyinosinic-polycytidylic acid treatment of Friend retrovirus-infected mice improves functional properties of virus-specific T cells and prevents virus-induced disease." Author(s):Gibbert K,Dietze KK,Zelinskyy G,Lang KS,Barchet W,Kirschning CJ,Dittmer U PubMed Article URL: http://dx.doi.org/10.4049/jimmunol.1000858

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