

CD69 Monoclonal Antibody (FN50), PE

Catalog NumberMA1-10276

Product data sheet

Details		Species Reactivity	
Size	100 Tests	Species reactivity	Human
Host/Isotope	Mouse / IgG1	Published species	Mouse, Human, Not Applicable
Class	Monoclonal	Tested Applications	Dilution *
Type	Antibody	Flow Cytometry (Flow)	20 µL/1x10^6 cells
Clone	FN50	Published Applications	
Immunogen	anti-µ-stimulated human B lymphocytes	Flow Cytometry (Flow)	See 4 publications below
Conjugate	PE	* 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		
Purification	Size-exclusion chromatography		
Storage buffer	PBS, pH 7.4, with 0.2% BSA		
Contains	15mM sodium azide		
Storage Conditions	4° C, store in dark, DO NOT FREEZE!		

Background/Target Information

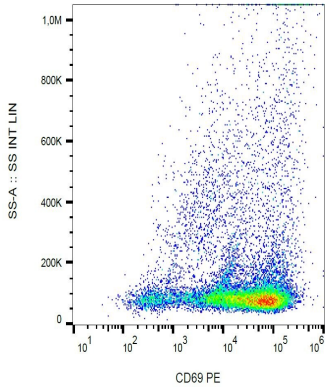
CD69 (AIM, Active Inducer Molecule) is a gp28/34 disulfide bonded homodimer with a molecular weight of 60 kDa under non-reducing conditions. CD69 contains one or two N linked oligosacaride and the molecule is present on activated platelets. In normal peripheral blood a variable percentage of cells express 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 (MA1-10276) in Flow

Flow cytometry analysis (surface staining) of PHA-activated peripheral human blood using anti-CD69 antibody (clone FN50) PE Monoclonal antibody (Product # MA1-10276).

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PubMed References For CD69 Monoclonal Antibody (FN50), PE

4 Flow Cytometry References

Species / Dilution	Summary
	MA1-10276 was used in Flow cytometry/Cell sorting to provide a novel vaccine design by combination of a tumor antigen and an immune adjuvant based on a VLP strategy, which may be potentially applied as an alternative immunotherapeutic option in the treatment of lung cancer.
Mouse / 1:2000	International journal of molecular medicine (2018; 41: 3671) "Incorporation of CD40 ligand enhances the immunogenicity of tumorassociated calcium signal transducer 2 viruslike particles against lung cancer." Author(s):Xi W,Ke D,Min L,Lin W,Jiahui Z,Fang L,Zhaowei G,Zhe Z,Xi C,Huizhong Z PubMed Article URL: http://dx.doi.org/10.3892/ijmm.2018.3570
	MA110276 was used in flow cytometry to investigate the role of polypyrimidine tract-binding protein 1 in CD4 T cell activation
Human / Not Cited	PLoS one (2017; 11:) "The RNA-Binding Protein, Polypyrimidine Tract-Binding Protein 1 (PTBP1) Is a Key Regulator of CD4 T Cell Activation." Author(s):La Porta J,Matus-Nicodemus R,Valentin-Acevedo A,Covey LR PubMed Article URL: http://dx.doi.org/10.1371/journal.pone.0158708
	MA1-10276 was used in flow cytometry to discuss the role of T cells in Rasmussen encephalitis
Human / Not Cited	Journal of neuroinflammation (2015; 12:) "Evidence for the involvement of gamma delta T cells in the immune response in Rasmussen encephalitis." Author(s):Owens GC,Erickson KL,Malone CC,Pan C,Huynh MN,Chang JW,Chirwa T,Vinters HV,Mathern GW,Kruse CA PubMed Article URL: http://dx.doi.org/10.1186/s12974-015-0352-2
	MA110276 was used in flow cytometry to characterize the immune responses of children immunized with Plasmodium falciparum apical membrane antigen 1
Human / Not Cited	Vaccine (2016; 34: 2546) "Strain-specific Plasmodium falciparum multifunctional CD4(+) T cell cytokine expression in Malian children immunized with the FMP2.1/AS02A vaccine candidate." Author(s):Graves SF,Kouriba B,Diarra I,Daou M,Niangaly A,Coulibaly D,Keita Y,Laurens MB,Berry AA,Vekemans J,Ripley Ballou W,Lanar DE,Dutta S,Gray Heppner D,Soisson L,Diggs CL,Thera MA,Doumbo OK,Plowe CV,Sztejn MB,Lyke KE PubMed Article URL: http://dx.doi.org/10.1016/j.vaccine.2016.04.019

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