CD69 monoclonal antibody, clone FN50 (APC)

Catalog # MAB5113 Size 100 Reactions

Specification

Product Description	Mouse monoclonal antibody raised against native CD69.
Immunogen	Native purified CD69 from human B lymphocytes.
Host	Mouse
Reactivity	Human
Specificity	This antibody recognizes CD69, an lymphocyte early activation marker.
Form	Liquid
Conjugation	APC
Isotype	IgG1
Recommend Usage	Flow Cytometry (10 ul in human blood cells 100 ul in whole blood or 10^6 cells in a suspension) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.2% BSA, 0.09% sodium azide)
Storage Instruction	Store in the dark at 4°C. Do not freeze. Avoid prolonged exposure to light. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Flow Cytometry

Gene Info — CD69

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Entrez GeneID	969
Gene Name	CD69
Gene Alias	CLEC2C
Gene Description	CD69 molecule
Omim ID	107273
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the calcium dependent lectin superfamily of type II transmembrane receptors. Expression of the encoded protein 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
Other Designations	C-type lectin domain family 2, member C|CD69 antigen (p60, early T-cell activation antigen)

Publication Reference

- Expression of CD69 on T-cell subsets in HIV-1 disease.

  Pitsios C, Dimitrakopoulou A, Tsalimalma K, Kordossis T, Choremi-Papadopoulou H.

  Scandinavian Journal of Clinical and Laboratory Investigation 2009 Jul; 68(3):233.

- CD69 on CD56+ NK cells and response to chemoimmunotherapy in metastatic melanoma.

  Konjevic G, Jovic V, Vuletic A, Radulovic S, Jelic S, Spuzic I.

  European Journal of Clinical Investigation 2007 Nov; 37(11):887.

- Expression of the activation antigen CD69 predicts functionality of in vitro expanded peripheral blood mononuclear cells (PBMC) from healthy donors and HIV-infected patients.

  Nielsen SD, Afzelius P, Ersboll AK, Nielsen JO, Hansen JE.

  Clinical and Experimental Immunology 1998 Oct; 114(1):66.

Disease

- Addison Disease
- Arthritis

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- Diabetes Mellitus
- Genetic Predisposition to Disease

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