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Datasheet

CD69 monoclonal antibody, clone FN50 (FITC)

Catalog Number: MAB5114

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against native CD69.

Clone Name: FN50

Immunogen: Native purified CD69 from human B lymphocytes.

Host: Mouse

Reactivity: Human

Applications: Flow Cyt
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Specificity: This antibody recognizes CD69, an lymphocyte early activation marker.

Form: Liquid

Conjugation: FITC

Isotype: IgG1

Recommend Usage: Flow Cytometry (20 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, 15 mM 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.

Entrez GeneID: 969

Gene Symbol: CD69

Gene Alias: CLEC2C

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]

References:

1. Expression of CD69 on T-cell subsets in HIV-1 disease. Pitsios C, Dimitrakopoulou A, Tsalimalma K, Kordossis T, Choremi-Papadopoulou H. Scand J Clin Lab Invest. 2008;68(3):233-41.
2. CD69 on CD56+ NK cells and response to chemoimmunotherapy in metastatic melanoma. Konjevic G, Jovic V, Vuletic A, Radulovic S, Jelic S, Spuzic I. Eur J Clin Invest. 2007 Nov;37(11):887-96.
3. 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. Clin Exp Immunol. 1998 Oct;114(1):66-72.