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CD69 Antibody [H1.2F3]

CATALOG NUMBER: 76-817

Specifications

SPECIES REACTIVITY:	Mouse
TESTED APPLICATIONS:	FACS, Func
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
SPECIFICITY:	The H1.2F3 monoclonal antibody specifically reacts with human CD69, the 27-33 kDA type II transmembrane protein also known as the very early activation antigen (VEA) or the activation inducer molecule (AIM).
HOST SPECIES:	Hamster

Properties

PURIFICATION:	The monoclonal antibody was purified utilizing affinity chromatography. The endotoxin level is determined by LAL test to be less than 0.01 EU/µg of the protein.
PHYSICAL STATE:	liquid
BUFFER:	Phosphate-buffered aqueous solution, ph7.2.
CONCENTRATION:	1 mg/mL
STORAGE CONDITIONS:	The product should be stored undiluted at 4˚C . Do not freeze.
CLONALITY:	Monoclonal
ISOTYPE:	Armenian Hamster IgG
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	AIM, VEA, AI452015, 5830438K24Rik, Cd69
OFFICIAL SYMBOL:	Cd69
GENE ID:	12515

Background

BACKGROUND:	The H1.2F3 monoclonal antibody specifically reacts with human CD69, the 27-33 kDA type II transmembrane protein also known as the very early activation antigen (VEA) or the activation inducer molecule (AIM). It is expressed as a disulfide-linked dimer on B cells, T cells, NK cells, platelets, eosinophils, and neutrophils. It increases in expression upon cell activation and seems to serve a role as a signaling receptor.
REFERENCES:	1) Marzio, R., Jirillo, E., Ransijn, A., Mauel, J., Corradin, S. B. (1997). Expression and function of the early activation antigen CD69 in murine macrophages.Journal of leukocyte biology,62(3), 349-355.
	2) Yokoyama, W. M., Koning, F., Kehn, P. J., Pereira, G. M., Stingl, G., Coligan, J. E., Shevach, E. M. (1988). Characterization of a cell surface-expressed disulfide-linked dimer involved in murine T cell activation.The Journal of Immunology,141(2), 369-376.
	3) Sobel, E. S., Yokoyama, W. M., Shevach, E. M., Eisenberg, R. A., Cohen, P. L. (1993). Aberrant expression of the very early activation antigen on MRL/Mp-lpr/lpr lymphocytes.The Journal of Immunology,150(2), 673-682.

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