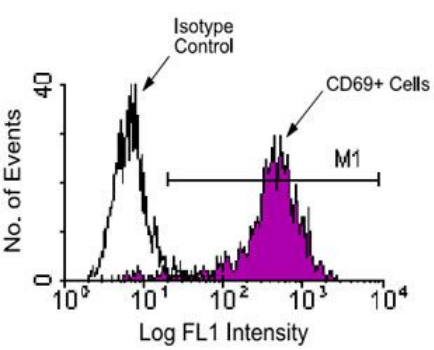
Cd69 monoclonal antibody, clone H1.2F3 (PE)

Catalog # MAB5744 Size 100 ug

Applications



Flow Cytometry

Fresh BALB/c spleen cells were activated by incubation for 20 hours with PMA + ionomycin, then stained with either hamster IgG-FITC (as an isotype control) or Cd69 monoclonal antibody, clone H1.2F3 (FITC) (Cat # MAB5742). Large, activated cells were then gated and analyzed on a FACScan™ flow cytometer (BDIS, San Jose, CA).

Specification

Product Description	Hamster monoclonal antibody raised against native Cd69.
Immunogen	Native purified Cd69 from Y245 mouse dendritic epidermal T cell line.
Host	Hamster
Reactivity	Mouse
Specificity	Mouse CD69/Very Early Activation Antigen (VEA), Mr 85 KDa (unreduced).
Form	Liquid
Conjugation	PE
Isotype	IgG, lambda
Recommend Usage	Flow Cytometry (0.2 ug/10^6 cells) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)

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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

- Immunohistochemistry (Frozen sections)
- Flow Cytometry

  Fresh BALB/c spleen cells were activated by incubation for 20 hours with PMA + ionomycin, then stained with either hamster IgG-FITC (as an isotype control) or Cd69 monoclonal antibody, clone H1.2F3 (FITC) (Cat # MAB5742). Large, activated cells were then gated and analyzed on a FACScan™ flow cytometer (BDIS, San Jose, CA).
- Immunoprecipitation

Gene Info — Cd69

Entrez GeneID	12515
Gene Name	Cd69
Gene Alias	5830438K24Rik, AI452015, AIM, VEA
Gene Description	CD69 antigen
Gene Ontology	Hyperlink
Other Designations	Early activation antigen CD69|Very Early Activation Antigen

Publication Reference

- The mouse CD69 gene. Structure, expression, and mapping to the NK gene complex.

  Ziegler SF, Levin SD, Johnson L, Copeland NG, Gilbert DJ, Jenkins NA, Baker E, Sutherland GR, Feldhaus AL, Ramsdell F.

  Journal of Immunology 1994 Feb; 152(3):1228.

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- Very early (VEA) and very late (VLA) activation antigens have distinct functions in T lymphocyte activation.

  Yokoyama WM, Maxfield SR, Shevach EM.

  Immunological Reviews 1989 Jun; 109:153.

  Application: Flow Cyt, Mouse, Mouse T cells

- Characterization of a cell surface-expressed disulfide-linked dimer involved in murine T cell activation.

  Yokoyama WM, Koning F, Kehn PJ, Pereira GM, Stingl G, Coligan JE, Shevach EM.

  Journal of Immunology 1988 Jul; 141(2):369.

  Application: Flow Cyt, Mouse , Mouse lymphocytes

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