

anti-mouse CD69 PE-conjugated**Cat-No.: M22157P****1 ml****Clone:** H1.2F3**Specificity:**

The H1.2F3 monoclonal antibody (mAb) reacts with mouse CD69, also known as Very Early Activation (VEA) Antigen, which is inducibly expressed on T cells, B cells, NK cells, monocytes and neutrophils. CD69 acts as a costimulatory molecule for T cell activation and proliferation and plays a role in the activation and differentiation of a wide variety of hematopoietic cells. The H1.2F3 mAb induces T cell proliferation in the presence of PMA and FcR-bearing accessory cells. Other applications of the H1.2F3 mAb include immunoprecipitation and immunostaining for flow cytometry.

Isotype subclass: Hamster IgG**Physical state:** Liquid**Buffer/Additives/Preservative:**

PBS containing 0.5 % BSA and 0.09 % sodium azide (pH 7.4)

Expiration date: The reagent is stable until the expiry date stated on the vial label.**Storage conditions:**

Store at 4 °C. Do not freeze. Avoid prolonged exposure to light.

Application:Flow Cytometry
Immunoprecipitation**References:**

1. Yokoyama, W.M., F. Koning, P.J. Kehn, G.M.B. Pereira, G. Stingl, J.E. Colligan, and E.M. Shevach. 1988. Characterization of a cell surface-expressed disulfide-linked dimer involved in murine T cell activation. *J. Immunol* 141: 369-376.
2. Yokoyama, W.M., S.R. Maxfield, and E.M. Shevach. 1989. Very Early (VEA) and Very Late (VLA) activation antigens have distinct functions in T lymphocyte activation. *Immuno. Rev.* 109: 153-176
3. Ziegler, S.F., S.D. Levin, L. Johnson, N.G. Copeland, D.J. Gilbert, N.A. Jenkins, E. Baker, G.R. Sutherland, A.L. Feldhaus, and F. Ramsdell. 1994. The mouse CD69 gene. Structure, expression, and mapping to the NK gene complex. *J. Immunol.* 152: 1228-1236.

Warning:

Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

This material is offered for **research only**. Not for use in human. For in vitro use only.

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