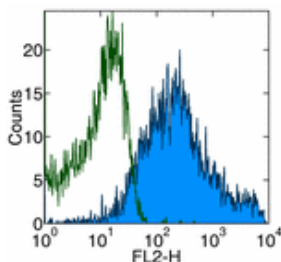


Anti-Mouse CD69 Purified

Catalog Number: 14-0691

Also Known As: Very Early Activation Antigen, VEA

RUO: For Research Use Only



Surface staining of ConA-stimulated splenocytes with Anti-Mouse CD69 PE (cat. 14-0691). Appropriate isotype controls were used (open histogram). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD69 Purified


REF Catalog Number: 14-0691

Clone: H1.2F3


Concentration: 0.5 mg/ml


Host/Isotype: Armenian Hamster IgG

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

 Temperature Limitation: Store at 2-8°C.

LOT Batch Code: Refer to Vial

 Use By: Refer to Vial

 Caution, contains Azide

Description

The H1.2F3 monoclonal antibody reacts with mouse CD69, also known as very early activation antigen (VEA). CD69 is approximately 35 kDa and is expressed on the surface as a disulfide-linked dimer. While a small subset of lymphocytes in the thymus, spleen and lymph nodes express this antigen, activation of both T and B cells rapidly upregulates the surface expression of CD69, suggesting a role for CD69 in lymphocyte development and activation.

Applications Reported

The H1.2F3 antibody has been reported for use in flow cytometric analysis, and immunoprecipitation. H1.2F3 has also been reported in *in vitro* cell activation. (Please use Functional Grade purified H1.2F3, cat. 16-0691, in functional assays.)

Applications Tested

The H1.2F3 antibody has been tested by flow cytometric analysis of resting and activated mouse splenocyte suspensions. This can be used at less than or equal to 0.5 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL.

Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Yokoyama, W. M., F. Koning, et al. (1988). "Characterization of a cell surface-expressed disulfide-linked dimer involved in murine T cell activation." *J Immunol* 141(2): 369-76.

Related Products

11-4317 Streptavidin FITC

12-4317 Streptavidin PE

13-4113 Anti-Armenian Hamster IgG Biotin (Polyclonal)

14-4888 Armenian Hamster IgG Isotype Control Purified (eBio299Arm)

17-4317 Streptavidin APC

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