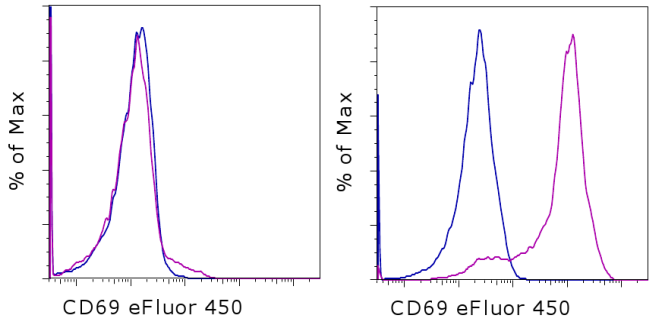
Anti-Mouse CD69 eFluor® 450

Catalog Number: 48-0691
Also known as: Very Early Activation Antigen, VEA
RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of unstimulated (left) and onvernight ConA-stimulated (right) C57BL/6 splenocytes with 0.125 ug of Armenian Hamster IgG Isotype Control eFluor® 450 (cat. 48-4888) (blue histogram) or 0.125 ug of Anti-Mouse CD69 eFluor® 450 (purple histogram). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD69 eFluor® 450
REF **Catalog Number:** 48-0691
Clone: H1.2F3
Concentration: 0.2 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. Do not freeze. Light-sensitive material.
LOT **Batch Code:** Refer to vial
Use By: Refer to vial

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

This H1.2F3 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This H1.2F3 antibody has been tested by flow cytometric analysis of 24 hour ConA-stimulated mouse splenocytes. This can be used at less than or equal to 0.25 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 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

eFluor® 450 is a replacement for Pacific Blue®. eFluor® 450 emits at 456 nm and is excited with the Violet laser (405 nm). Please make sure that your instrument is capable of detecting this fluorochome.

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

48-4888 Armenian Hamster IgG Isotype Control eFluor® 450 (eBio299Arm)

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