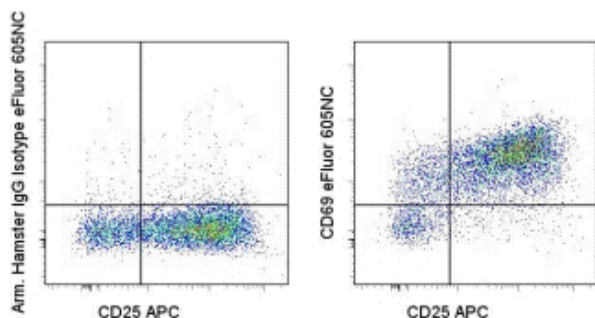


Anti-Mouse CD69 eFluor® 605NC

Catalog Number: 93-0691

Also Known As: Very Early Activation Antigen, VEA

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of ConA-stimulated mouse splenocytes with Anti-Mouse CD25 APC (cat. 17-0251) and Armenian Hamster IgG Isotype Control eFluor® 605NC (cat. 93-4888) (left) or Anti-Mouse CD69 eFluor® 605NC (right). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD69 eFluor® 605NC

REF **Catalog Number:** 93-0691

Clone: H1.2F3

Concentration: 5 uL

Host/Isotype: Armenian Hamster IgG

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

Temperature Limitation: Store at 2-8°C. Light sensitive

material. This product is guaranteed for 6 months upon receipt when stored properly.



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

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

Applications Tested

This H1.2F3 antibody has been pre-titrated and tested by flow cytometric analysis of ConA stimulated mouse splenocytes. This can be used at 5 µL per test. A test is defined as the amount 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.

The Armenian hamster Ig Isotype Control eFluor 605NC (cat. 93-4888) should be used at 5 uL/test.

Laser/Filter Recommendation: When using eFluor 605NC, we recommend excitation with the 405nm violet laser with an appropriate filter set, such as the 595LP dichroic mirror with the 605/40 bandpass filter. An acceptable alternative is the 610/20 bandpass filter. For instruments not equipped with a violet laser, the eFluor 605NC is also excited by the 488 nm blue laser and can be used as a PE-Texas Red alternative.

Fixation Recommendation: When fixing samples that have been stained with nanocrystal reagents, we recommend keeping the total volume at approximately 200 µL of IC Fixation Buffer (cat. 00-8222) and the exposure time 30-60 minutes to preserve the optimal fluorescent signal from the nanocrystal reagent.

For answers about fixation and other questions, please refer to Nanocrystal Frequently Asked Questions or contact eBioscience Technical Support.

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

00-4222 Flow Cytometry Staining Buffer

17-0251 Anti-Mouse CD25 APC (PC61.5)
93-4888 Armenian Hamster IgG Isotype Control eFluor® 605NC (eBio299Arm)

Legal

Under patent number: US 7,939,170 and additional pending patent application(s)

Not for further distribution without written consent.

Copyright © 2000-2012 eBioscience, Inc.

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.eBioscience.com • info@eBioscience.com