

Anti-Mouse CD69-145Nd

Catalog #: 3145005B

Package Size: 100 tests

Storage: Store product at 4°C. Do not freeze.

Cross Reactivity: Mouse

Clone: H1.2F3

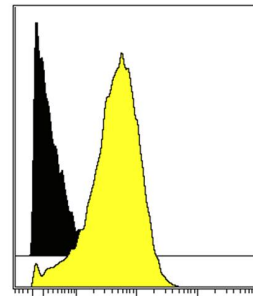
Isotype: Hamster IgG

Formulation: Antibody stabilizer with 0.05% Sodium Azide

Technical Information

Validation: Each lot of conjugated antibody is quality control tested by CyTOF® analysis of stained cells using the appropriate positive and negative cell staining and/or activation controls.

Recommended Usage: The suggested use is 1 µl for up to 3 X 10⁶ live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



C57BL/6 mouse splenocytes were incubated for 18 hours in media alone (black) or with PMA and ionomycin (yellow). Cells were then fixed, permeabilized, and stained with 145Nd-anti-CD69 (H1.2F3).

Description

CD69, also known as Very Early Activation Antigen (VEA) and CLEC2C, is a type II transmembrane protein. It is expressed transiently on activated T cells and B cells, NK cells, and neutrophils. Expression of CD69 during early activation facilitates proliferation and differentiation into effector and memory cells. After cell division, CD69 expression can decrease.

References

Bandura, D. R., et al. Mass Cytometry: Technique for Real Time Single Cell Multitarget Immunoassay Based on Inductively Coupled Plasma Time-of-Flight Mass Spectrometry. *Analytical Chemistry* 81:6813-6822, 2009.

Ornatsky, O. I., et al. Highly multiparametric analysis by mass cytometry. *J Immunol Methods* 361 (1-2):1-20, 2010.

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