abcam

Product datasheet

PE/Cy7® Anti-CD69 antibody [H1.2F3] ab25529

1 Image

Overview

Product name	PE/Cy7® Anti-CD69 antibody [H1.2F3]
Description	PE/Cy7® Armenian hamster monoclonal [H1.2F3] to CD69
Host species	Armenian hamster
Conjugation	PE/Cy7®. Ex: 496nm, Em: 774nm
Specificity	ab25529 recognises mouse CD69/Very Early Activation Antigen (VEA).
Tested applications	**Suitable for:** Flow Cyt
Species reactivity	**Reacts with:** Mouse
Immunogen	Tissue, cells or virus corresponding to Mouse CD69. Mouse dendritic epidermal cell line Y245
General notes	This antibody augments PMA-induced T-cell proliferation, and induces redirected lysis of Fc receptor-bearing target cells by NK cells. This product or portions thereof is manufactured under license from Carnegie Mellon University under U.S. Patent Number 5, 268, 486 and related patents. Cy® and CyDye® are trademarks of Cytiva. The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Store In the Dark.
Storage buffer	pH: 7.1 Preservative: 0.09% Sodium azide Constituents: PBS, 16% Sucrose Also contains a stabilizing agent.

Purity	Affinity purified
Primary antibody notes	This antibody augments PMA-induced T-cell proliferation, and induces redirected lysis of Fc receptor-bearing target cells by NK cells.
Clonality	Monoclonal
Clone number	H1.2F3
Isotype	IgG
Light chain type	lambda

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab25529 in the following tested applications.

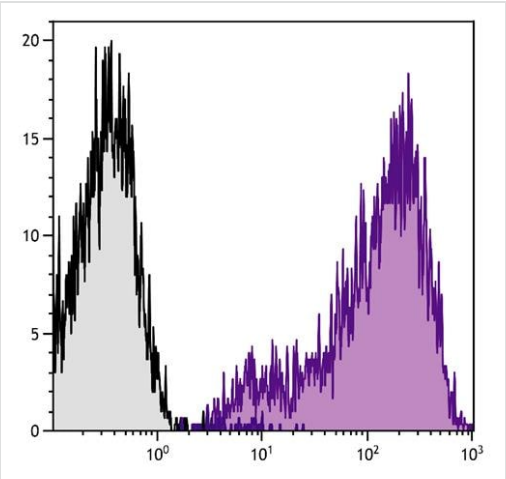
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use 0.2µg for 10^6 cells.

Target

Function	Involved in lymphocyte proliferation and functions as a signal transmitting receptor in lymphocytes, natural killer (NK) cells, and platelets.
Tissue specificity	Expressed on the surface of activated T-cells, B-cells, natural killer cells, neutrophils, eosinophils, epidermal Langerhans cells and platelets.
Sequence similarities	Contains 1 C-type lectin domain.
Developmental stage	Earliest inducible cell surface glycoprotein acquired during lymphoid activation.
Post-translational modifications	Constitutive Ser/Thr phosphorylation in both mature thymocytes and activated T-lymphocytes.
Cellular localization	Membrane.

Images



Flow Cytometry - PE/Cy7® Anti-CD69 antibody [H1.2F3] (ab25529)

Flow cytometry analysis of Con-A stimulated BALB/c mouse splenocutes with ab25529.

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