Version: 02 Revision Date: 8/19/2024



PE anti-human CD69

Analyte Specific Reagent. Analytical and performance characteristics are not established.

Catalog# / Size 985202 / 500 μL

Clone FN50 Workshop IV A91

Other Names Very Early Activation Antigen (VEA), Activation inducer molecule (AIM)

Isotype Mouse IgG1, κ

Description CD69 is a 27-33 kD type II transmembrane protein also known as activation inducer molecule

(AIM), very early activation antigen (VEA), and MLR3. It is a member of the C-type lectin family, expressed as a disulfide-linked homodimer. Other members of this receptor family include NKG2, NKR-P1 CD94, and Ly49. CD69 is transiently expressed on activated leukocytes including T cells, thymocytes, B cells, NK cells, neutrophils, and eosinophils. CD69 is constitutively expressed by a subset of medullary mature thymocytes, platelets, mantle B cells, and certain CD4+ T cells in germinal centers of normal lymph nodes. CD69 is involved in early events of lymphocyte, monocyte, and platelet activation, and has a functional role in

redirected lysis mediated by activated NK cells.

Product Details

Reactivity Human

Formulation Phosphate-buffered solution, pH7.2, containing 0.09% sodium azide, 0.2% (w/v) BSA (origin USA),

and a stabilizer.

Preparation The antibody was purified by affinity chromatography and conjugated with PE under optimal

conditions.

Concentration 50 μg/mL

Storage & Handling The antibody solution should be stored undiluted between 2°C and 8°C, and protected from

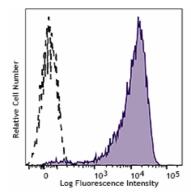
prolonged exposure to light. Do not freeze.

Application <u>Suggested for Flow Cytometry</u>

Disclaimer WARNINGS AND PRECAUTIONS

- Use appropriate personal protective equipment and safety practices per universal precautions when working with this reagent. Refer to the reagent safety data sheet.
- This antibody contains sodium azide. Follow federal, state and local regulations to dispose of this reagent. Sodium azide build-up in metal wastepipes may lead to explosive conditions; if disposing of reagent down wastepipes, flush with water after disposal.
- 3. All specimens, samples and any material coming in contact with them should be considered potentially infectious and should be disposed of with proper precautions and in accordance with federal, state and local regulations.
- 4. Do not use this reagent beyond the expiration date stated on the label.
- 5. Do not use this reagent if it appears cloudy or if there is any change in the appearance of the reagent as these may be an indication of possible deterioration.
- 6. Avoid prolonged exposure of the reagent or stained cells to light.

Product Data



Typical results from Cell Activation Cocktail (without Brefeldin A, BioLegend Cat#423301) stimulated (3 hours) human peripheral blood lymphocytes stained either with FN50 PE used at 5µL/test (filled histogram) or with an isotype control (open histogram).

Symbols Glossary*

Symbols clossery							
Symbol	Meaning	Symbol Title	Symbol No.	Symbol	Meaning	Symbol Title	Symbol No.
REF	Catalog number	Catalogue number	5.1.6	(i	Indicates the need for the user to consult the instructions for use.	Consult instructions for use	5.4.3
1	Indicates the temperature limits to which the medical device can be safely exposed.	Temperature limit	5.3.7	*	Indicates a medical device that needs protection from light sources.	Keep away from sunlight	5.3.2
K	Indicates the upper limit of temperature to which the medical device can be safely exposed.	temperature	5.3.6	Ω	Indicates the date after which the medical device is not to be used.	Use-by date	5.1.4
•••	Indicates the medical device manufacturer.	Manufacturer	5.1.1	EC REP	Indicates the authorized representative in the European Community.	Authorized representative in the European Community	
	Indicates the manufacturer's	Batch code	5.1.5		Indicates a medical device that is	In vitro diagnostic	5.5.1
LOT	batch code so that the batch or lot can be identified.			IVD	intended to be used as an in vitro diagnostic medical device.	medical device	

^{*} Symbol information is from EN ISO 15223-1:2016 Medical devices – Symbols to be used with medical device labels, labelling and information to be supplied - Part 1: General requirements

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