

Datasheet for ABIN302059  
**anti-CD69 antibody (PerCP)**



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## Overview

Quantity:	100 tests
Target:	CD69
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD69 antibody is conjugated to PerCP
Application:	Flow Cytometry (FACS)

## Product Details

Immunogen:	Anti- $\mu$ -stimulated human B lymphocytes
Clone:	FN50
Isotype:	IgG1
Specificity:	The mouse monoclonal antibody FN50 recognizes an extracellular epitope of CD69, an lymphocyte early activation marker.
Cross-Reactivity (Details):	Human, Other not determined
Purification:	Purified antibody is conjugated with activated Peridinin-Chlorophyll Protein (PerCP) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

## Target Details

Target:	CD69
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## Target Details

Alternative Name:	CD69 ( <a href="#">CD69 Products</a> )
Background:	CD69 Molecule,CD69 (C-type lectin domain family 2 C, CLEC2C, also known as AIM) is one of the earliest inducible cell surface molecules acquired during leukocyte activation. This glycoprotein serves as a lectin-type receptor in lymphocytes, NK cells and platelets, it is involved in lymphocyte proliferation. CD69 expression is counteracted on T cells in the AIDS stage of HIV infection, and may be also predictive for clinical response to chemoimmunotherapy.,EA1, AIM, MLR-3, CLEC2C, GP32/28, BL-AC/P26
Gene ID:	969
UniProt:	<a href="#">Q07108</a>

## Application Details

Application Notes:	Flow cytometry: The reagent is designed for analysis of human blood cells using 10 µL reagent / 100 µL of whole blood or 10 <sup>6</sup> cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.
Comment:	The purified antibody is conjugated with Peridinin-chlorophyll-protein complex (PerCP) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Restrictions:	For Research Use only

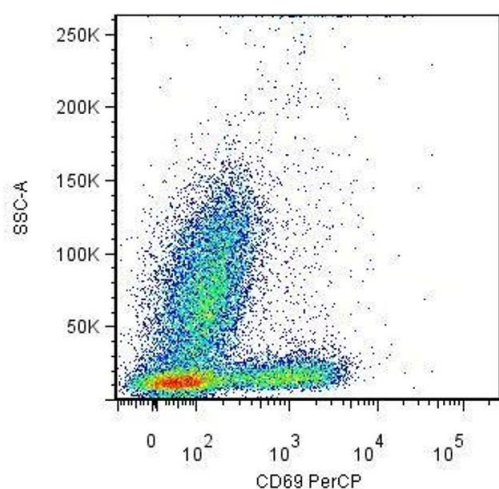
## Handling

Reconstitution:	No reconstitution is necessary.
Buffer:	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	<b>Do not freeze.</b> Avoid prolonged exposure to light.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

## Publications

- Product cited in:
- Hrdinka, Dráber, Stepánek, Ormsby, Otáhal, Angelisová, Brdicka, Paces, Horejsí, Drbal: "PRR7 is a transmembrane adaptor protein expressed in activated T cells involved in regulation of T cell receptor signaling and apoptosis." in: **The Journal of biological chemistry**, Vol. 286, Issue 22, pp. 19617-29, (2011) ([PubMed](#)).
- Drbal, Moertelmaier, Holzhauser, Muhammad, Fuertbauer, Howorka, Hinterberger, Stockinger, Schütz: "Single-molecule microscopy reveals heterogeneous dynamics of lipid raft components upon TCR engagement." in: **International immunology**, Vol. 19, Issue 5, pp. 675-84, (2007) ([PubMed](#)).
- Tomescu, Chehimi, Maino, Montaner: "NK cell lysis of HIV-1-infected autologous CD4 primary T cells: requirement for IFN-mediated NK activation by plasmacytoid dendritic cells." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 179, Issue 4, pp. 2097-104, (2007) ([PubMed](#)).

## Images



### Flow Cytometry

**Image 1.** Surface staining of human peripheral blood using anti-CD69 antibody (clone FN50) after overnight activation of T cells by anti-CD3 (clone MEM-57).