

## ARG53891 anti-CD69 antibody [FN50] (PE)

Package: 100 tests Store at: 4°C

# Summary

| Product Description | PE-conjugated Mouse Monoclonal antibody [FN50] recognizes CD69                                                                                                                                                                          |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tested Reactivity   | Ни                                                                                                                                                                                                                                      |
| Tested Application  | FACS                                                                                                                                                                                                                                    |
| Specificity         | The clone FN50 recognizes CD69, an lymphocyte early activation marker.<br>HLDA IV; WS Code A 91                                                                                                                                         |
| Host                | Mouse                                                                                                                                                                                                                                   |
| Clonality           | Monoclonal                                                                                                                                                                                                                              |
| Clone               | FN50                                                                                                                                                                                                                                    |
| Isotype             | lgG1                                                                                                                                                                                                                                    |
| Target Name         | CD69                                                                                                                                                                                                                                    |
| Species             | Human                                                                                                                                                                                                                                   |
| Immunogen           | anti-µ-stimulated human B lymphocytes                                                                                                                                                                                                   |
| Conjugation         | PE                                                                                                                                                                                                                                      |
| Alternate Names     | GP32/28; Activation inducer molecule; MLR-3; BL-AC/P26; Leukocyte surface antigen Leu-23; AIM; Early activation antigen CD69; Early T-cell activation antigen p60; EA1; CD antigen CD69; CLEC2C; C-type lectin domain family 2 member C |

### **Application Instructions**

| Application table | Application                                                                                                                                | Dilution           |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
|                   | FACS                                                                                                                                       | 20 μl / 10^6 cells |
| Application Note  | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |                    |

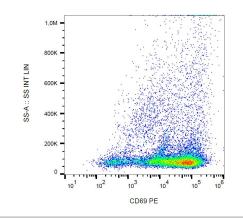
### Properties

| Form                | Liquid                                                                                                                                                                                                                       |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purification Note   | The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.              |
| Buffer              | PBS, 15 mM Sodium azide and 0.2% (w/v) high-grade protease free BSA                                                                                                                                                          |
| Preservative        | 15 mM Sodium azide                                                                                                                                                                                                           |
| Stabilizer          | 0.2% (w/v) high-grade protease free BSA                                                                                                                                                                                      |
| Storage instruction | Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |

| Database links | GeneID: 969 Human                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                | Swiss-port # Q07108 Human                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Gene Symbol    | CD69                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Gene Full Name | CD69 molecule                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Background     | 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. |
| Function       | Involved in lymphocyte proliferation and functions as a signal transmitting receptor in lymphocytes, natural killer (NK) cells, and platelets. [UniProt]                                                                                                                                                                                                                                                                                                      |
| Research Area  | Developmental Biology antibody; Immune System antibody                                                                                                                                                                                                                                                                                                                                                                                                        |
| Calculated Mw  | 23 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| РТМ            | Constitutive Ser/Thr phosphorylation in both mature thymocytes and activated T-lymphocytes.                                                                                                                                                                                                                                                                                                                                                                   |

#### Bioinformation

### Images



#### ARG53891 anti-CD69 antibody [FN50] (PE) FACS image

Flow Cytometry: Human PHA-activated peripheral blood stained with ARG53891 anti-CD69 antibody [FN50] (PE).