ARG62917
anti-CD69 antibody [FN50] (FITC)

Package: 100 tests
Store at: 4°C

Summary

Product Description	FITC-conjugated Mouse Monoclonal antibody [FN50] recognizes CD69
Tested Reactivity	Hu
Tested Application	FACS
Specificity	The clone FN50 recognizes CD69, an lymphocyte early activation marker. HLDA IV; WS Code A 91
Host	Mouse
Clonality	Monoclonal
Clone	FN50
Isotype	IgG1
Target Name	CD69
Species	Human
Immunogen	anti-µ-stimulated human B lymphocytes
Conjugation	FITC
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

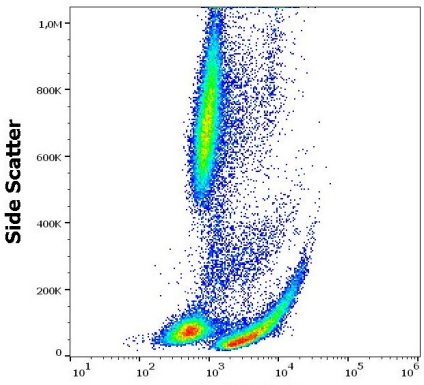
Form	Liquid
Purification Note	The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC and adjusted for direct use. No reconstitution is necessary.
Buffer	PBS, 15 mM Sodium azide and 0.2% (w/v) high-grade protease free 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.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

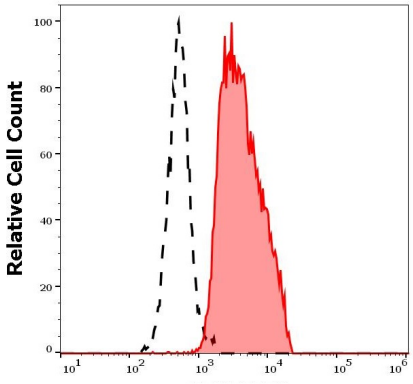
Database links	GeneID: 969 Human Swiss-port # Q07108 Human
Gene Symbol	CD69
Gene Full Name	CD69 molecule
Background	CD69 (C-type lectin domain family 2 C, CLEC2C, also known as AIM) is one of the earliest inducible cell surface molecules acquired during leukocyte activation. This glycoprotein serves 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
PTM	Constitutive Ser/Thr phosphorylation in both mature thymocytes and activated T-lymphocytes.

Images



ARG62917 anti-CD69 antibody [FN50] (FITC) FACS image

Flow Cytometry: Human peripheral whole blood stained with ARG62917 anti-CD69 antibody [FN50] (FITC) (20 µl reagent / 100 µl of peripheral whole blood).



ARG62917 anti-CD69 antibody [FN50] (FITC) FACS image

Flow Cytometry: Separation of human thrombocytes (red-filled) from CD69 negative lymphocytes (black-dashed). Human peripheral whole blood stained with ARG62917 anti-CD69 antibody [FN50] (FITC) (20 µl reagent / 100 µl of peripheral whole blood).