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ARG62916
anti-CD69 antibody [FN50]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [FN50] recognizes CD69
Tested Reactivity	Hu
Tested Application	CyTOF®-candidate, FACS, FuncSt, IHC-Fr
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	Un-conjugated
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
CyTOF®-candidate	Assay-dependent
FACS	1 - 4 µg/ml
FuncSt	Assay-dependent
IHC-Fr	Assay-dependent

Application Note: Functional studies: When stimulating peripheral blood T cells, clone FN50 together with TPA synergistically increases cell volume and RNA/DNA synthesis. Addition of FN50 to stimulated peripheral blood B cells has similar, but weaker effect.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

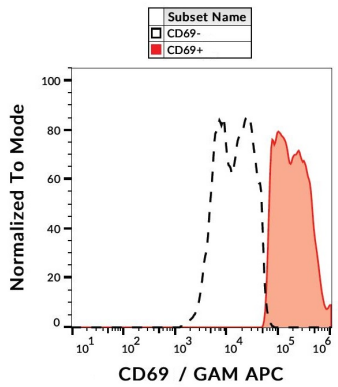
Form	Liquid
Purification	Purified from cell culture supernatant by protein-A affinity chromatography.
Purity	> 95% (by SDS-PAGE)

Buffer	PBS (pH 7.4) and 15 mM Sodium azide
Preservative	15 mM Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. 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]
Highlight	Related products: CD69 antibodies; Anti-Mouse IgG secondary antibodies; Related news: CyTOF-candidate Antibodies
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



ARG62916 anti-CD69 antibody [FN50] FACS image

Flow Cytometry: Human PHA-activated peripheral blood stained with ARG62916 anti-CD69 antibody [FN50], followed by incubation with APC labelled Goat anti-Mouse secondary antibody.