

ARG21033 anti-KLRG1 antibody [2F1] (FITC)

Package: 250 µg
Store at: 4°C

Summary

Product Description	FITC-conjugated Syrian Hamster Monoclonal antibody [2F1] recognizes KLRG1
Tested Reactivity	Hu, Ms
Tested Application	FACS, WB
Specificity	The clone 2F1 reacts with mouse killer cell lectin-like receptor G1. The 2F1 antibody stains 30-60% of NK1.1+CD3- splenocytes, and a small fraction of T cells in all mouse strains tested (C57BL/6, BALB/c, 129/J, C3H.SW, AKR/J, SJL).
Host	Syrian Hamster
Clonality	Monoclonal
Clone	2F1
Isotype	IgG2
Target Name	KLRG1
Species	Mouse
Immunogen	IL-2-activated NK cells (A-LAK cells) from B6 (H-2b) mice
Conjugation	FITC
Alternate Names	2F1; MAFA-L; C-type lectin domain family 15 member A; MAFA-2F1; MAFA-like receptor; CLEC15A; Killer cell lectin-like receptor subfamily G member 1; MAFA; ITIM-containing receptor MAFA-L; Mast cell function-associated antigen; MAFA-LIKE

Application Instructions

Application table	Application	Dilution
	FACS	< 1 µg/10 ⁶ cells
	WB	Assay-dependent
Application Note	WB: Under non-reducing condition. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Buffer	PBS and 0.1% Sodium azide.
Preservative	0.1% Sodium azide
Concentration	0.5 mg/ml
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: 10219 Human GeneID: 50928 Mouse Swiss-port # O88713 Mouse Swiss-port # Q96E93 Human
Gene Symbol	KLRG1
Gene Full Name	killer cell lectin-like receptor subfamily G, member 1
Background	Natural killer (NK) cells are lymphocytes that can mediate lysis of certain tumor cells and virus-infected cells without previous activation. They can also regulate specific humoral and cell-mediated immunity. The protein encoded by this gene belongs to the killer cell lectin-like receptor (KLR) family, which is a group of transmembrane proteins preferentially expressed in NK cells. Studies in mice suggested that the expression of this gene may be regulated by MHC class I molecules. Alternatively spliced transcript variants have been reported, but their full-length natures have not yet been determined. [provided by RefSeq, Jul 2008]
Function	Plays an inhibitory role on natural killer (NK) cells and T-cell functions upon binding to their non-MHC ligands. May mediate missing self recognition by binding to a highly conserved site on classical cadherins, enabling it to monitor expression of E-cadherin/CDH1, N-cadherin/CDH2 and R-cadherin/CDH4 on target cells. [UniProt]
Calculated Mw	22 kDa