

**ARG21034**  
**anti-KLRG1 antibody [2F1] (Biotin)**Package: 250 µg  
Store at: 4°C

### Summary

Product Description	Biotin-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
Antigen Species	Mouse
Immunogen	IL-2-activated NK cells (A-LAK cells) from B6 (H-2b) mice
Conjugation	Biotin
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 <sup>6</sup> 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.	
Calculated Mw	22 kDa	

### 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

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**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]