

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

Package: 250 µg
Store at: 4°C

Summary

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| 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

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| 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] |
| Calculated Mw | 22 kDa |