

## Purified Anti-Human/Mouse KLRG-1 Antibody[2F1], Functional Grade

catalog number: E-AB-F12730

**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

### Description

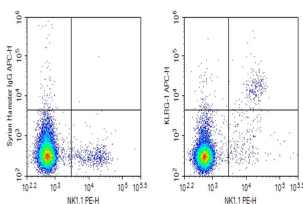
|                     |                                                                                       |
|---------------------|---------------------------------------------------------------------------------------|
| <b>Reactivity</b>   | Human, Mouse                                                                          |
| <b>Immunogen</b>    | Recombinant Mouse KLRG-1 protein                                                      |
| <b>Host</b>         | Syrian Hamster                                                                        |
| <b>Isotype</b>      | Syrian Hamster IgG                                                                    |
| <b>Clone</b>        | 2F1                                                                                   |
| <b>Purification</b> | >98%, Protein A/G purified                                                            |
| <b>Buffer</b>       | Sterile PBS, pH 7.2. < 1.0 EU per mg of the antibody as determined by the LAL method. |

### Applications

### Recommended Dilution

**FCM** ≤ 0.2 µg per million cells in 100 µL volume

### Data



C57/BL6 Mouse splenocytes were stained with 0.2 µg Purified Anti-Human/Mouse KLRG-1 Antibody[2F1] (Right) and 0.2 µg Syrian Hamster IgG, κ Isotype Control (Left), followed by APC-conjugated Goat Anti-Syrian Hamster IgG Secondary Antibody, then anti-Mouse NK1.1 PE-conjugated Monoclonal Antibody.

### Preparation & Storage

|                 |                                                                                                                                                                                                    |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>  | Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles. This preparation contains no preservatives, thus it should be handled under aseptic conditions. |
| <b>Shipping</b> | Ice bag                                                                                                                                                                                            |

### Background

### For Research Use Only

Toll-free: 1-888-852-8623  
Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086  
Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017

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Killer cell lectin-like receptor G1 (KLRG1) is the mouse homolog of the rat mast cell function-associated antigen (MAFA or 2F1-Ag). KLRG1 is a type II membrane glycoprotein that was first identified on the surface of rat mast cell line RBL-2H3. It is composed of a homodimer of glycosylated 30-38 kD subunits. Mouse and human homologs of KLRG1 are expressed by subsets of NK cells and lymphokine-activated killer (LAK) cells but not mast cells. KLRG1 is also expressed on subsets of CD8<sup>+</sup> and CD4<sup>+</sup> cells, including CD4<sup>+</sup> and CD8<sup>+</sup> effector/memory cells, potent regulatory CD4<sup>+</sup> T cells. KLRG1 may be involved in regulating NK cell homeostasis. KLRG2 was found to recognize cadherins and thus inhibit immune responses by regulating the effector function and the developmental processes of NK and T cells.

None (Azide-Free, Low Endotoxin) are perfectly suited to be used in culture or in vivo (for nonhuman studies) for functional assays blocking, neutralizing, activation or depletion where the presence of azide may damage cells or exogenous endotoxin may signal or activate cells.