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# APC Anti-Human/Mouse KLRG-1 Antibody[2F1]

Catalog No. E-AB-F1273UE Reactivity Human, Mouse

Storage Store at 2~8°C, Avoid freeze / thaw cycles Applications FCM

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

## **Antigen Information**

 Alternate Names
 MAFA, 2F1-Ag

 Uniprot ID
 Q96E93,088713

 Gene ID
 10219,50928

**Background** 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+ and CD4+ cells, including CD4+ and CD8+ effector/memory

cells, potent regulatory CD4+ T cells. KLRG1 may be involved in regulating NK cell

homeostasis. KLRG22 was found to recognize cadherins and thus inhibit immune responses by

regulating the effector function and the developmental processes of NK and T cells.

### **Product Details**

 $\begin{tabular}{lll} Form & Liquid \\ Concentration & 0.2 \ mg/mL \\ Size & 25 \mu g/100 \mu g \\ \end{tabular}$ 

Clone No. 2F1

Host Syrian Hamster
Isotype Syrian Hamster IgG
Reactivity Human, Mouse

**Application** FCM

**Isotype Control** [Product E-AB-F09763E]

**Storage Buffer** Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

**Shipping** Biological ice pack at 4 °C **Stability & Storage** Keep as concentrated solution.

Store at  $2\sim8^{\circ}\text{C}$  and protected from prolonged exposure to light.Do not freeze.

This product is guaranteed up to one year from purchase.

For Research Use Only

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#### **Elabscience Bionovation Inc.**



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# **Fluorophore**

Conjugation: APC

APC is designed to be excited by the Red (627-640 nm) laser and detected using an optical filter centered near 660 nm (e.g., a 660/20 nm bandpass filter).

## Recommended usage

Each lot of this antibody is quality control tested by flow cytometric analysis. Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is 0.1-1 µg/10<sup>6</sup> cells in 100 μL volume].

#### **Related Information**

- 1. Sample Preparation for Flow Cytometry <a href="https://www.elabscience.com/List-detail-5594.html">https://www.elabscience.com/List-detail-5594.html</a>
- 2. Staining Cell Surface Targets for Flow Cytometry <a href="https://www.elabscience.com/List-detail-5568.html">https://www.elabscience.com/List-detail-5568.html</a>
- 3. Flow Cytometry Troubleshooting Tips <a href="https://www.elabscience.com/List-detail-5593.html">https://www.elabscience.com/List-detail-5593.html</a>
- 4. How to select the appropriate detection channel through the spectrogram? https://www.elabscience.com/Listdetail-459742.html

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