

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

catalog number: E-AB-F1273A

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

Description

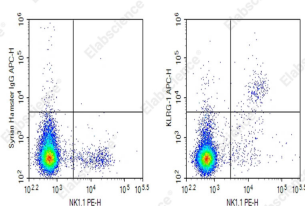
Reactivity	Human;Mouse
Immunogen	Recombinant Human/Mouse KLRG-1 protein
Host	Syrian Hamster
Isotype	Syrian Hamster IgG
Clone	2F1
Purification	>98%, Protein A/G purified
Buffer	Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer. Dialyze to completely remove the stabilizer prior to labeling.

Applications

Recommended Dilution

FCM	≤ 0.2 µg per million cells in 100 µL volume
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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

Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
Shipping	Ice bag

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. 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.

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Toll-free: 1-888-852-8623
Web: www.elabscience.com

Tel: 1-832-243-6086
Email: techsupport@elabscience.com

Fax: 1-832-243-6017

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