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

Catalog Number: E-AB-F1273C

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

Description

Reactivity Human; Mouse Host Syrian Hamster Isotype Syrian Hamster IgG

Clone No. 2F1

FITC Syrian Hamster IgG Isotype Control[SHG-1] [Product E-AB-F09762C] Isotype Control

Conjugation

Conjugation Information FITC is designed to be excited by the Blue laser (488 nm) and detected using an optical

filter centered near 530 nm (e.g., a 525/40 nm bandpass filter).

Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

Applications Recommended usage

Each lot of this antibody is quality control tested by flow cytometric analysis. The amount **FCM**

> of the reagent is suggested to be used 5 µL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for

individual use.

Preparation & Storage

Storage Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Please protected from prolonged

exposure to light and do not freeze.

Shipping Ice bag

Antigen Information

Alternate Names 2F1-Ag;MAFA **Uniprot ID** Q96E93:O88713 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. KLRG4 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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