SONY

Product Data Sheet

Alexa Fluor® 647 anti-human KLRG1 (MAFA)

Catalog # / Size: 2438515 / 25 tests
2438520 / 100 tests

Clone: SA231A2

Isotype: Mouse IgG2a, κ

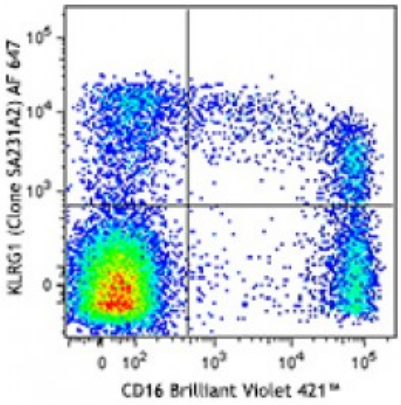
Immunogen: Human KLRG1-transfected cells

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 647 under optimal conditions.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Concentration: 0.5



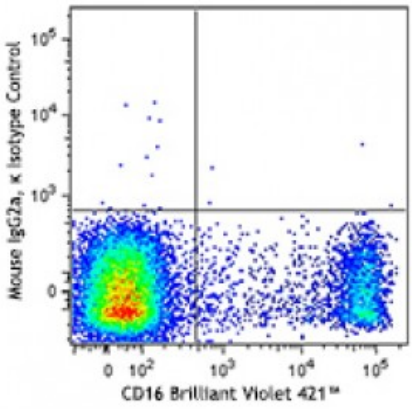
Human peripheral blood lymphocytes were stained with CD16 Brilliant Violet 421™ and KLRG1 (clone SA231A2) Alexa Fluor® 647 (top) or mouse IgG2a, κ Alexa Fluor® 647 isotype control (bottom).

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

* Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633 nm / 635 nm.



Description: Killer cell lectin-like receptor subfamily G member 1 (KLRG1) is a 30 kD, type II membrane glycoprotein with one C-type lectin domain and one immunoreceptor tyrosine-based inhibititory motif (ITIM). KLRG1 is expressed by subsets of NK, effector and memory T cells. KLRG1 inhibits cell activation and proliferation, and is a marker of T cell senescence. Binding of KLRG1 to E-, N-, or R- cadherins blocks phosphorylation of Akt and increases the expression of cell cycle inhibitors.

Antigen References:

1. Shi L, *et al.* 2014. *J. Immunol.* 192:649.

Sony Biotechnology Inc. 1730 North First Street, San Jose, CA 95112 www.sonybiotechnology.com