

**PE/Dazzle™ 594 anti-human KLRG1 (MAFA)**

**Catalog # / Size:** 2438550 / 100 tests  
2438545 / 25 tests

**Clone:** SA231A2

**Isotype:** Mouse IgG2a, κ

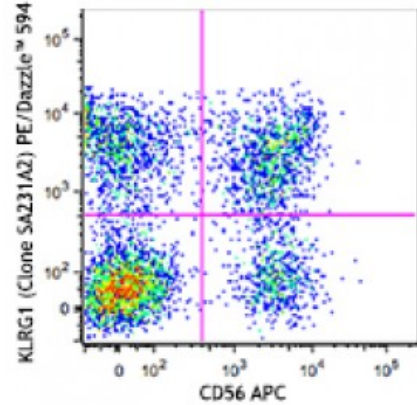
**Immunogen:** Human KLRG1-transfected cells

**Reactivity:** Human

**Preparation:** The antibody was purified by affinity chromatography and conjugated with PE/Dazzle™ 594 under optimal conditions. The solution is free of unconjugated PE/Dazzle™ 594 and unconjugated antibody.

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

**Concentration:** Lot-specific



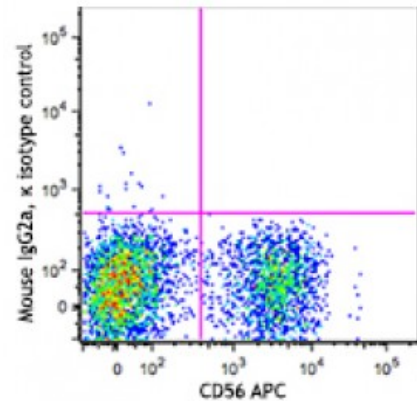
Human peripheral blood lymphocytes were stained with CD56 APC and KLRG1 (clone SA231A2) PE/Dazzle™ 594 (top) or mouse IgG2a, κ PE/Dazzle™ 594 isotype control (bottom).

**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.

\* PE/Dazzle™ 594 has a maximum excitation of 566 nm and a maximum emission of 610 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 inhibitory 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.