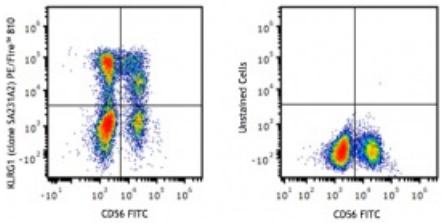
SONY

Product Data Sheet

PE/Fire™ 810 anti-human KLRG1 (MAFA)

Catalog # / Size:	2438665 / 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/Fire™ 810 under optimal conditions.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
Concentration:	Lot-specific



Human peripheral blood lymphocytes were stained with anti-human CD56 FITC and anti-human KLRG1 (MAFA) (clone SA231A2) PE/Fire™ 810 (left) or stained with anti-human CD56 FITC only (right).

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 µL per million cells in 100 µL staining volume or 5 µL per 100 µL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. * PE/Fire™ 810 has a maximum excitation of 488/561 nm and a maximum emission of 810 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.