Datasheet for ABIN7278213

anti-KLRG1 antibody (FITC)

2 Images

Go to Product page

Overview

Quantity:	100 µg
Target:	KLRG1
Reactivity:	Mouse
Host:	Golden Syrian Hamster
Clonality:	Monoclonal
Conjugate:	This KLRG1 antibody is conjugated to FITC
Application:	Flow Cytometry (FACS)

Product Details

Clone:	2F1
Isotype:	IgG
Purification:	This monoclonal antibody was purified from tissue culture supernatant via affinity chromatography. The purified antibody was conjugated under optimal conditions, with unreacted dye removed from the preparation. It is recommended to store the product undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.

Target Details

Target:	KLRG1
Alternative Name:	KLRG1 (KLRG1 Products)
Background:	The 2F1 antibody reacts with mouse KLRG1 (Killer cell Lectin-like Receptor G1). This 30-38 kDa homodimeric receptor may be expressed by activated, mature NK cells and by

Target Details

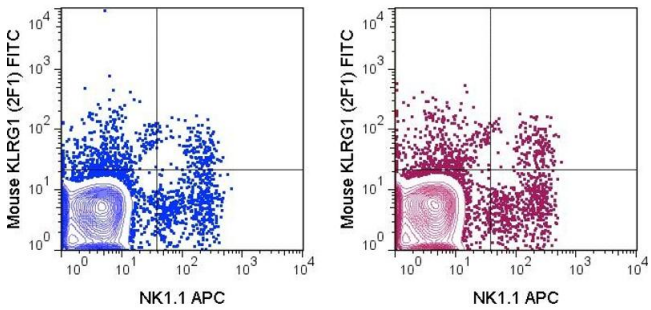
	effector/memory T cells, with potentially different roles in each cell type. KLRG1 can regulate, in an inhibitory fashion, the development and effector functions of NK cells, and is often cited as a senescence or terminal differentiation marker for T cells. Ligands for KLRG1 include members of the cadherin family of adhesion molecules, specifically N-Cadherin, E-Cadherin, and R-Cadherin. These interactions may induce bidirectional, immunosuppressive signaling in both KLRG- and Cadherin-expressing cells. A more recently identified role for KLRG1-Cadherin signaling in tissue organization, e.g. in cardiac angiogenesis, expands the function of these interactions beyond immunosuppression of immune cells. (Bouchentouf et al. 2010. J. Immunol. 185: 7014-7025). The 2F1 antibody may be used as a phenotypic marker for KLRG1 in mouse, frequently in combination with Anti-Mouse CD127 antibody (clone A7R34), for identification of effector T cell populations.
Gene ID:	50928
UniProt:	O88713

Application Details

Application Notes:	This antibody preparation has been quality-tested for flow cytometry using mouse spleen cells, or an appropriate cell type (where indi- cated). The amount of antibody required for optimal staining of a cell sample should be determined empirically in your system.
Comment:	0.5 mg/mL
Restrictions:	For Research Use only

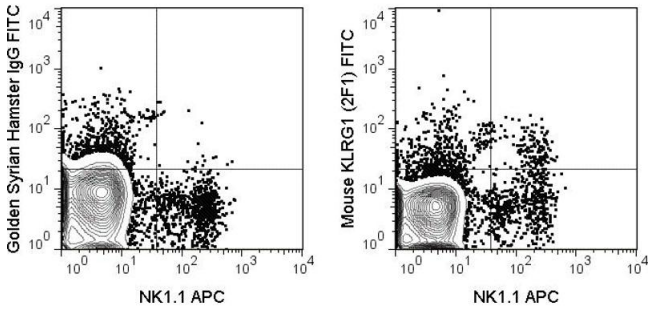
Handling

Buffer:	10 mM NaH2PO4, 150 mM NaCl, 0.09 % Sodium azide, 0.1 % gelatin, pH 7.2
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	2-8°C protected from light
Expiry Date:	12 months



Flow Cytometry

Image 1. C57Bl/6 splenocytes were stained with APC Anti-Mouse NK1.1 and 0.5 µg FITC Anti-Mouse KLRG1 (2F1) manufactured by antibodies-online (left panel) or eBioscience (right panel).



Flow Cytometry

Image 2. C57Bl/6 splenocytes were stained with APC Anti-Mouse NK1.1 and 0.5 µg FITC Anti-Mouse KLRG1 (ABIN6961416) (right panel) or 0.5 µg FITC Golden Syrian Hamster IgG (left panel).