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Datasheet for ABIN7278348 anti-KLRG1 antibody (PE)

Image



Overview

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

Product Details

Clone:	2F1
Isotype:	lgG
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.

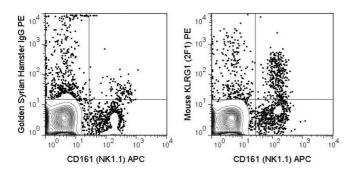
Target Details

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

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	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:	088713
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:	0.2 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

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Flow Cytometry

Image 1. C57BI/6 splenocytes were stained with APC Anti-Mouse NK1.1 and $0.25 \mu g$ PE Anti-Mouse KLRG1 (ABIN6961555) (right panel) or $0.25 \mu g$ PE Golden Syrian Hamster IgG (left panel).

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