Datasheet for ABIN6961764

anti-KLRG1 antibody

Go to Product page

Overview

Quantity:	100 µg
Target:	KLRG1
Reactivity:	Mouse
Host:	Golden Syrian Hamster
Clonality:	Monoclonal
Conjugate:	This KLRG1 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunoprecipitation (IP)

Product Details

Clone:	2F1
Isotype:	IgG
Purification:	This monoclonal antibody preparation was purified from tissue culture supernatant via affinity chromatography. For In Vivo Ready™ (IVR) products, each preparation is also evaluated for endotoxin levels using the LAL assay. It is recommended to store the product undiluted at 4°C. 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 purified format is guaranteed to be >90 % pure as determined by SDS-PAGE analysis.
Comment:	0.5 mg/mL
Restrictions:	For Research Use only

Handling

Buffer:	10 mM NaH2PO4, 150 mM NaCl, 0.09 % Sodium azide, 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
Expiry Date:	12 months