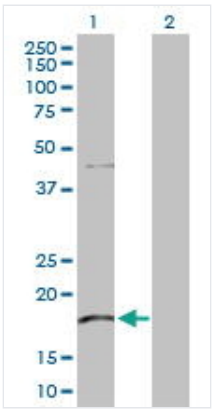
KLRG1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	KLRG1, Polyclonal Antibody
Full Product Name	KLRG1 (Killer Cell Lectin-like Receptor Subfamily G Member 1, 2F1-Ag, Mast Cell Function-associated Antigen 2F1, MAFA, MAFA-L, MGC123930) (B
Product Gene Name	anti-KLRG1 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human KLRG1.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap
OMIM	604874
3D Structure	ModBase 3D Structure for Q96E93
Immunogen	Full-length human KLRG1, aa1-207 (NP_005801.3).
Immunogen Sequence	MTDSVIYSMLELPTATQAQNDYGPQQKSSSSRPSCSCLVAIALGLLTAVLLSVLLYQWILCQGSNYSTCASCPSCPDRWMKYGNHCYYFSVEEKDWNSS
Conjugate	Biotin
Note	Preservative Free
Product Categories/Family for anti-KLRG1 antibody	Antibodies; Receptors
Applications Tested/Suitable for anti-KLRG1 antibody	Western Blot (WB)
Application Notes for anti-KLRG1 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-KLRG1 antibody	KLRG1 (killer cell lectin-like receptor G1), is the mouse homolog of the rat mast cell function-associated antigen (MAFA). It is expressed by activated C and is not expressed on mast cell lines, bone-marrow-derived mast cells or peritoneal mast cells. T-cells expressing KLRG1 have greatly reduced prolif interferon. KLRG1 plays an inhibitory role on NK cells and T-cells by binding to their ligands.
Other Notes	Small volumes of anti-KLRG1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces with dry ice and additional dry ice fee may apply.

Searchable Terms for KLRG1 purchase	MBS6383764 is an antibody targeting KLRG1. Also known as KLRG1 (Killer Cell Lectin-like Receptor Subfamily G Member 1, 2F1-Ag, Mast Cell Funct



Western Blot (WB) of anti-KLRG1 antibody
Western Blot analysis of KLRG1 expression in transfected 293T cell line by KLRG1 polyclonal antibody. Lane 1: KLRG1 transfected lysate (21.2kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KLRG1. It may not necessarily be applicable to this product.

NCBI GI #	1519314194
NCBI GeneID	10219
NCBI Accession #	NM_005810.4
UniProt Primary Accession #	Q96E93
UniProt Related Accession #	Q96E93
GenBank Nucleotide #	NM_005810
NCBI Official Full Name	Homo sapiens killer cell lectin like receptor G1 (KLRG1), transcript variant 2, mRNA
NCBI Official Synonym Full Names	killer cell lectin like receptor G1
NCBI Official Symbol	KLRG1
NCBI Official Synonym Symbols	2F1; MAFA; MAFA-L; CLEC15A; MAFA-2F1; MAFA-LIKE
UniProt Protein Name	Killer cell lectin-like receptor subfamily G member 1
UniProt Synonym Protein Names	C-type lectin domain family 15 member A; ITIM-containing receptor MAFA-L; MAFA-like receptor; Mast cell function-associated antigen
Protein Family	Killer cell lectin-like receptor subfamily
UniProt Gene Name	KLRG1
UniProt Synonym Gene Names	CLEC15A; MAFA; MAFAL
UniProt Entry Name	KLRG1_HUMAN
NCBI Protein Information	killer cell lectin-like receptor subfamily G member 1
NCBI Summary for KLRG1	Natural killer (NK) cells are lymphocytes that can mediate lysis of certain tumor cells and virus-infected cells without previous activation. They can also regulate specific humoral and cell-mediated immunity. The protein encoded by this gene belongs to the killer cell lectin-like receptor (KLR) family, which is a group of transmembrane proteins preferentially expressed in NK cells. Studies in mice suggested that the expression of this gene may be regulated by MHC class I molecules. [provided by RefSeq, Jun 2016]

UniProt Comments for KLRG1	KLRG1: Plays an inhibitory role on natural killer (NK) cells and T-cell functions upon binding to their non-MHC ligands. May mediate missing self recognition by binding to a highly conserved site on classical cadherins, enabling it to monitor expression of E-cadherin/CDH1, N-cadherin/CDH2 and R-cadherin/CDH4 on target cells. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 12p13.31 Cellular Component: plasma membrane; integral to membrane Molecular Function: receptor activity; carbohydrate binding Biological Process: regulation of immune response; cell surface receptor linked signal transduction; cellular defense response; innate immune response; inflammatory response
Research Articles on KLRG1	**1.** Tuberculosis-associated immune reconstitution inflammatory syndrome is preceded by a high level of exhausted (KLRG1+PD-1+) CD8hi T cells.
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