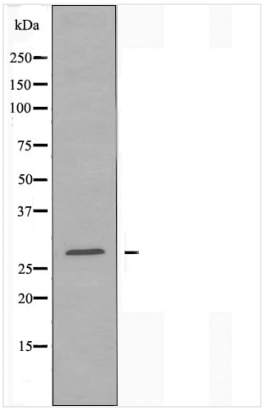
KLRC1 Antibody – Rabbit Polyclonal

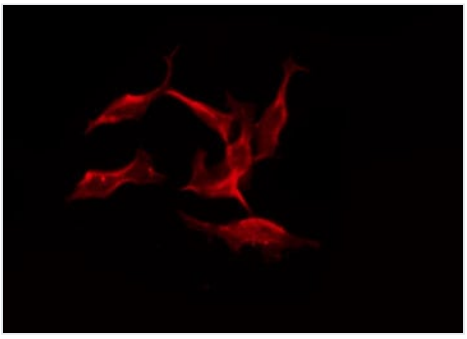
PRODUCT OVERVIEW

Product Name	KLRC1, Polyclonal Antibody
Full Product Name	KLRC1 Antibody
Product Gene Name	anti-KLRC1 antibody
Product Synonym Names	C lectin type II protein; CD159 antigen like family member A; CD159 antigen-like family member A; CD159a; CD159a antigen; Killer cell lectin like receptor subfamily C member 1; KLRC1; MGC13374; MGC59791; Natural killer cell lectin; Natural killer cell protein group 2-A1; Natural killer cell receptor NKG2A; Natural killer group protein 2; NK cell receptor A; NKG2 1/B activating NK receptor; NKG2 A; NKG2 A/B activating NK receptor; NKG2 A/B type II integral membrane protein; NKG2 A/NKG2 B type II integral membrane protein; NKG2; NKG2 B; NKG2-1/B activating NK receptor; NKG2-A/B-activating NK receptor; NKG2-A/NKG2-B type II integral membrane protein; NKG2A; NKG2A_HUMAN; NKG2B; rNKG2A
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Concentration	1mg/ml (lot specific)
Specificity	KLRC1 antibody detects endogenous levels of total KLRC1
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.
Antibody/Peptide Pairs	KLRC1 peptide (MBS9624979) is used for blocking the activity of KLRC1 antibody (MBS9606262)
Molecular Weight	Observed: 28 kD Predicted: 27 kDa
3D Structure	ModBase 3D Structure for P26715
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Immunogen	A synthesized peptide
Subcellular Location	Membrane.
Tissue Specificity	Natural killer cells.
Conjugation	Unconjugated
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-KLRC1 antibody	Western Blot (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), ELISA (EIA)
Application Notes for anti-KLRC1 antibody	WB: 1:500-1:1000 IF/ICC: 1:100-1:500

Related Product Information for anti-KLRC1 antibody	Function: Plays a role as a receptor for the recognition of MHC class I HLA-E molecules by NK cells and some cytotoxic T-cells. Subunit Structure: Can form disulfide-bonded heterodimer with CD94.
Other Notes	Small volumes of anti-KLRC1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for KLRC1 purchase	MBS9606262 is an antibody targeting KLRC1. Also known as KLRC1 Antibody. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-KLRC1 antibody
Western blot analysis of extracts from HepG2 cells, using KLRC1 antibody.



Immunofluorescene (IF) of anti-KLRC1 antibody
MBS9606262 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for KLRC1. It may not necessarily be applicable to this product.

NCBI GI #	4504881
NCBI GeneID	3821
NCBI Accession #	NP_002250.1
UniProt Primary Accession #	P26715
UniProt Related Accession #	P26715
GenBank Nucleotide #	NM_002259.4
NCBI Official Full Name	NKG2-A/NKG2-B type II integral membrane protein isoform NKG2-A
NCBI Official Synonym Full Names	killer cell lectin like receptor C1
NCBI Official Symbol	KLRC1
NCBI Official Synonym Symbols	NKG2; NKG2A; CD159A
UniProt Protein Name	NKG2-A/NKG2-B type II integral membrane protein
UniProt Synonym Protein Names	CD159 antigen-like family member A; NK cell receptor A; NKG2-A/B-activating NK receptor; CD_antigen: CD159a
UniProt Gene Name	KLRC1
UniProt Synonym Gene Names	NKG2A
NCBI Protein Information	NKG2-A/NKG2-B type II integral membrane protein

NCBI Summary for KLRC1	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 family, also called NKG2 family, which is a group of transmembrane proteins preferentially expressed in NK cells. This family of proteins is characterized by the type II membrane orientation and the presence of a C-type lectin domain. This protein forms a complex with another family member, KLRD1/CD94, and has been implicated in the recognition of the MHC class I HLA-E molecules in NK cells. The genes of NKG2 family members form a killer cell lectin-like receptor gene cluster on chromosome 12. Multiple alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq, Jan 2015]
UniProt Comments for KLRC1	Plays a role as a receptor for the recognition of MHC class I HLA-E molecules by NK cells and some cytotoxic T-cells.
Research Articles on KLRC1	**1.** Compared with NKG2D, NKG2A expressed on both peripheral CD3-CD56+NK cells and CD3+CD8+T cells plays a more pivotal negative regulatory role in the progression of HBV-related ACLF.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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