



CD161 Rabbit mAb

Catalog No	YP-rAb-16948
Isotype	IgG
Reactivity	Human
Applications	IHC,IF,ELISA
Gene Name	KLRB1
Protein Name	Killer cell lectin-like receptor subfamily B member 1
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:100-1:200; IF 1:200-1:1000; ELISA 1:5000-1:20000; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15 ° C to -25 ° C/1 year(Do not lower than -25 ° C)
Synonyms	CD161;Killer cell lectin-like receptor subfamily B member 1;KLRB1 ; CLEC5B ; NKRP1A ; Killer cell lectin-like receptor subfamily B member 1 ; C-type lectin domain family 5 member B ; HNKR-P1a ; NKR-P1A ; Natural killer cell surface protein P1A ; CD161;KLRB1
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Membrane ; Single-pass type II membrane protein .
Tissue Specificity	Expressed in a subset of NK cells predominantly in intestinal epithelium and liver . Detected in peripheral blood T-cells and preferentially in adult T-cells with a memory antigenic phenotype.
Function	Plays an inhibitory role on natural killer (NK) cells cytotoxicity. Activation results in specific acid sphingomyelinase/SMPD1 stimulation with subsequent marked elevation of intracellular ceramide. Activation also leads to AKT1/PKB and RPS6KA1/RSK1 kinases stimulation as well as markedly enhanced T-cell proliferation induced by anti-CD3. Acts as a lectin that binds to the terminal carbohydrate Gal-alpha(1,3)Gal epitope as well as to the N-acetyllactosamine epitope. Binds also to CLEC2D/LLT1 as a ligand and inhibits NK cell-mediated cytotoxicity as well as interferon-gamma secretion in target cells.,induction:By IL12 in NK cells.,online information:NKRP1,PTM:N-glycosylated. Contains sialic acid residues.,similarity:Contains 1 C-type lectin domain.,subunit:Homodimer;



disulfide-linked. Interacts with acid sphingomyelinase/SMPD1.,tissue specificity:Expressed in a subset of NK cells predominantly in intestinal epithelium and liver. Detected in peripheral blood T-cells and preferentially in adult T-cells with a memory antigenic phenotype.,

Background

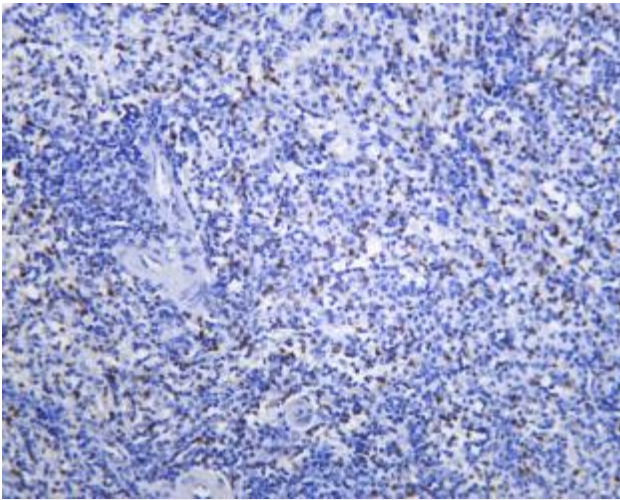
Natural killer (NK) cells are lymphocytes that mediate cytotoxicity and secrete cytokines after immune stimulation. Several genes of the C-type lectin superfamily, including the rodent NKRP1 family of glycoproteins, are expressed by NK cells and may be involved in the regulation of NK cell function. The KLRB1 protein contains an extracellular domain with several motifs characteristic of C-type lectins, a transmembrane domain, and a cytoplasmic domain. The KLRB1 protein is classified as a type II membrane protein because it has an external C terminus. [provided by RefSeq, Jul 2008],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Human spleen-S was stained with anti-CD161 Rabbit antibody

