

InVivo Anti-Mouse CD161/KLRB1/NK1.1 Antibody (PK136)

CatalogNo: YV0025

Key Features

Host Species

- Mouse

Reactivity

- Mouse

Applications

- In vivo

Isotype

- IgG2a, kappa

Storage

Storage*

Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8°C for frequent use. Store at -20 to -80°C for twelve months from the date of receipt.

Formulation

0.01M PBS, pH 7.4.

Recommended Dilution Ratios

Basic Information

Purity

Endotoxin level <1 EU/mg. Purity>90% as determined by SDS-PAGE.

Clonality

Monoclonal

Immunogen Information

Target Information

Gene name

KLRB1

Protein Name	Killer cell lectin-like receptor subfamily B member 1		
	Organism	Gene ID	UniProt ID
	Human	3820;	Q12918;
Cellular Localization	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	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. ,		

| Validation Data

| Contact information

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