

Anti-KLRB1 Reference Antibody (MIT patent anti-KLRB1)

Catalog # APR11357

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	Q12918
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	25415

Additional Information

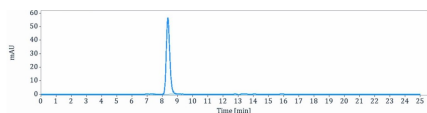
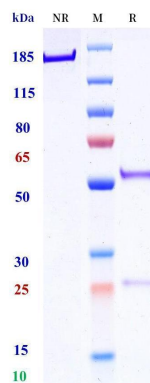
Target/Specificity	KLRB1
Expression system	CHO

Protein Information

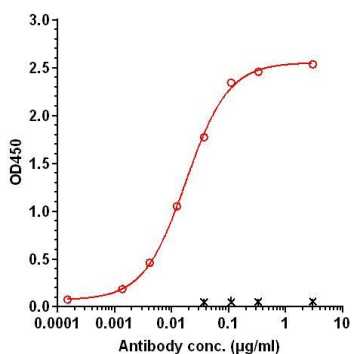
Name	KLRB1
Synonyms	CLEC5B, NKR1A
Function	Plays an inhibitory role on natural killer (NK) cells cytotoxicity. Activation results in specific acid sphingomyelinase/SMPD1 stimulation with subsequent marked elevation of intracellular ceramide. Activation also leads to AKT1/PKB and RPS6KA1/RSK1 kinases 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. Also binds to CLEC2D/LLT1 as a ligand and inhibits NK cell-mediated cytotoxicity as well as interferon-gamma secretion in target cells.
Cellular Location	Membrane; Single-pass type II membrane protein
Tissue Location	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

Images

Anti-KLRB1 Reference Antibody (MIT patent anti-KLRB1) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



The purity of Anti-KLRB1 Reference Antibody (MIT patent anti-KLRB1) is 100%, determined by SEC-HPLC.



Immobilized PHC237 Human KLRB1 / CD16, His Tag at 2 µg/mL can bind MIT patent anti-KLRB1, EC50= 0.01796 µg/mL.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.