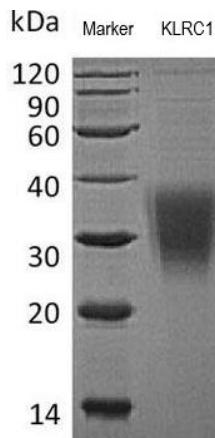


Human CellExp™ CD159a / KLRC1 (Active), Human Recombinant

05/21

CATALOG NO:	P1730-10 10 µg P1730-50 50 µg
ALTERNATE NAMES:	Killer Cell Lectin Like Receptor C1; NKG2-A/NKG2-B Type II Integral Membrane Protein; NKG2-A; NKG2-B; NKG2
MOL. WT.	16.5 kDa calculated; 25-40 kDa observed
NCBI GENE ID:	3821
ACCESSION NO.:	P26715
ENDOTOXIN:	< 1.0 EU per µg as determined by the LAL method
PURITY:	> 95% by SDS-PAGE
SOURCE:	Human Cells
AMINO ACID SEQUENCE:	Arg 100 to Leu 233 with N-terminal 8xHis Tag
ACTIVITY:	Immobilized Human KLRC1-His at 10 µg/ml (100 µl/well) can bind Biotinylated Human CD94-His. The ED50 of Human KLRC1-His is 18 µg/mL.
FORM:	Lyophilized protein
FORMULATION:	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4
STORAGE CONDITIONS:	Store lyophilized protein at -20 °C or -80 °C. Once reconstituted, aliquot and store at -20 °C or -80 °C. Avoid repeated freeze-thaw cycles.

DESCRIPTION: The Killer Cell Lectin Like Receptor C1 (KLRC1, also known as CD159a) is a member of the NKG2 family, a group of transmembrane proteins preferentially expressed in natural killer (NK) cells. KLRC1 forms a complex with KLRD1 (CD94), and is implicated in the recognition of the MHC class I HLA-E molecules in NK cells. KLRC1 enables cytotoxic cells to monitor the expression of MHC class I molecules in healthy cells and to tolerate self, as well as monitoring the activation and effector functions of NK cells. In viral infections and some tumor microenvironments, KLRC1 is a key target to downregulate NK cell cytotoxicity and allow tumor progression and viral escape from immune surveillance.



Human CellExp™ CD159a / KLRC1 (Active), Human Recombinant was loaded on SDS-PAGE and visualized by Coomassie blue stain.

RELATED PRODUCTS:

CD244, Human Recombinant (Cat. No. 7339)
 Human CellExp™ CD38, Human Recombinant (Cat. No. P1014)
 KLRB1, Human Recombinant (Cat. No. 7352)
 Human CellExp™ CD160, Human Recombinant (Cat. No. P1110)
 KLRG1, Human Recombinant (Cat. No. 7355)
 KLRC3, Human Recombinant (Cat. No. 7354)

FOR RESEARCH USE ONLY! Not to be used on humans.