Recombinant Human NKAT-2/KIR2DL3/CD158b2 Protein

Catalog No.: RP01389

Sequence Information

Species
Human

Gene ID
3804

Swiss Prot
P43628-1

Tags
C-His

Synonyms
KIR2DL3,CD158B2,CD158b,GL183, KIR-023GB,KIR-K7b,KIR-K7c, KIR2DS5,KIRCL23,NKAT,NKAT2, NKAT2A,NKAT2B,p58

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
25.41 kDa

Observed MW
35-50 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Killer cell immunoglobulin-like receptor 2DL3, also known as CD158 antigen-like family member B2, KIR-23GB, Killer inhibitory receptor cl 2-3, MHC class I NK cell receptor, NKAT2a, NKAT2b, Natural killer-associated transcript 2, p58 natural killer cell receptor clone CL-6, p58.2 MHC class-I-specific NK receptor, CD158b2, and KIR2DL3, is a single-pass type I membrane protein which belongs to the immunoglobulin superfamily. KIR2DL3 contains 2 Ig-like C2-type (immunoglobulin-like) domains. KIR2DL3 interacts with ARRB2. KIR2DL3 is a receptor on natural killer (NK) cells for HLA-C alleles (HLA-Cw1, HLA-Cw3, and HLA-Cw7). KIR2DL3 inhibits the activity of NK cells thus preventing cell lysis.

Basic Information

Description
Recombinant Human NKAT-2/KIR2DL3/CD158b2 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (His22-His245) of human KIR2DL3/CD158b2 (Accession #NP_056952.2) fused with a 6×His tag at the C-terminus.

Activity
Measured by its binding ability in a functional ELISA.Immobilized Human KIR2DL3 at 5 μg/mL (100 μL/well) can bind KIR2DL3 Rabbit pAb with a linear range of 1-39 ng/mL.

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

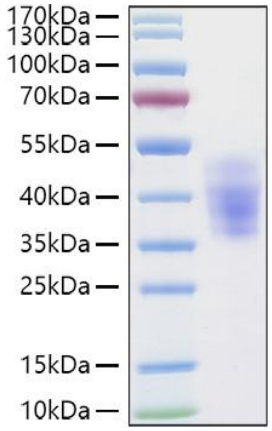
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

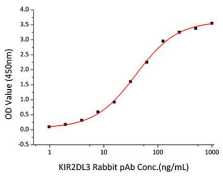
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Validation Data



Recombinant Human NKAT-2/KIR2DL3/CD158b2 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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