RP01389

Leader in Biomolecular Solutions for Life Science

www.abclonal.com

Recombinant Human NKAT-2/KIR2DL3/CD158b2 Protein

Catalog No.: RP01389 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	3804	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% by SDS-PAGE.

Endotoxin
<0.1EU/μg

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.

Contact

www.abclonal.com

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.

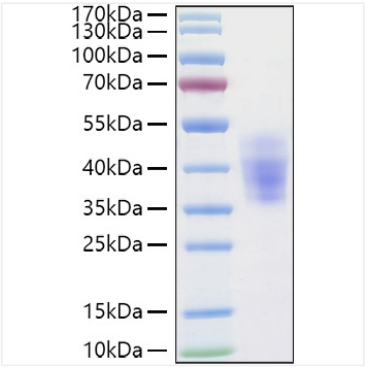
Basic Information

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.

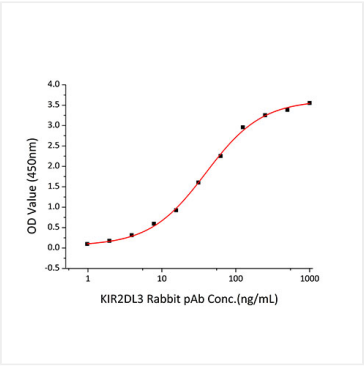
Bio-Activity
Measured by its binding ability in a functional ELISA.Immobilized Human KIR2DL3 at 5 μg/mL (100 μL/well) can bind KIR2DL3 Rabbit pAb with a linear range of 1-39 ng/mL.

Storage
Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human NKAT-2/KIR2DL3/CD158b2 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 40-50kDa.



Immobilized recombinant Human KIR2DL3 at 5 μg/mL (100 μL/well) can bind KIR2DL3 Rabbit pAb with a linear range of 1-39 ng/mL.