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Datasheet for ABIN7319270 KIR2DL3 Protein (His tag)

Overview

Quantity:	50 µg
Target:	KIR2DL3
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KIR2DL3 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human KIR2DL3 Protein (His Tag)
Sequence:	His22-His245
Characteristics:	Recombinant Human killer cell immunoglobulin-like receptor 2DL3 is produced by our Mammalian expression system and the target gene encoding His22-His245 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	KIR2DL3
Alternative Name:	KIR2DL3 (KIR2DL3 Products)
Background:	Background: Killer-Cell Immunoglobulin-Like Receptors (KIRs) are important cells of the immune system. KIRs are a family of Natural Killer (NK) Cells surface glycoproteins. KIRs

Target Details

control the killing function of these cells by interacting with MHC class I molecules. This interaction allows KIRs to identify virally infected cells or tumor cells by the distinctive low level of Class I MHC on their surface. The majority of KIRs are inhibitory, their recognition of MHC suppresses the cytotoxic activity of their NK cell. Only a limited number of KIRs have the capacity to activate cells. KIR2DL3 is an inhibitory Killer Cell Ig-like Receptor. KIR2DL3 recognizes class I MHC molecules (HLA-Cw1, -Cw3, -Cw7, and Cw8). KIR2DL3 inhibits the activity of NK cells thus preventing cell lysis.

Synonym: Killer Cell Immunoglobulin-Like Receptor 2DL3, CD158 Antigen-Like Family Member B2, KIR-023GB, Killer Inhibitory Receptor cl 2-3, MHC Class I NK Cell Receptor, NKAT2a, NKAT2b, Natural Killer-Associated Transcript 2, NKAT-2, p58 Natural Killer Cell Receptor Clone CL-6, p58 NK Receptor CL-6, p58.2 MHC Class-I-Specific NK Receptor, CD158b2, KIR2DL3, CD158B2, KIRCL23, NKAT2,KIR-K7b,KIR-K7c,KIR2DS5,KIRCL23,MGC129943,NKAT,NKAT2,NKAT2A,NKAT2B

Molecular Weight: 25.4 kDa

Pathways: [Cancer Immune Checkpoints](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.