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Datasheet for ABIN7125943

KIR2DL4/CD158d Protein (Fc Tag)

Overview

Quantity:	100 µg
Target:	KIR2DL4/CD158d (KIR2DL4)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KIR2DL4/CD158d protein is labelled with Fc Tag.

Product Details

Purpose:	Human KIR2DL4 / CD158d Protein, Fc Tag
Sequence:	His 24 - His 242
Characteristics:	Human KIR2DL4, Fc Tag is expressed from human 293 cells (HEK293). It contains AA His 24 - His 242 (Accession # Q99706-1).
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	KIR2DL4/CD158d (KIR2DL4)
Alternative Name:	KIR2DL4 / CD158d (KIR2DL4 Products)
Background:	Synonyms: CD158d, Killer cell immunoglobulin-like receptor 2DL4(KIR2DL4), which belongs to the immunoglobulin superfamily, is an inhibitory receptor of NK cells. Soluble HLA-G binds to KIR2DL4 in

Target Details

endosomes and activates the pathway of DNA-PKcs (DNA-dependent protein kinase, catalytic subunit)-AKT-NF- κ B signals. The stimulation of the ITIM of KIR2DL4 protein brings about the recruitment and activation of non-receptor protein phosphatases Src homology 2 domain-containing tyrosine phosphatase (SHP)-1 and SHP-2, and the following inhibition of CD16/Fc γ RIIIa signaling pathway in human NK cells.

Molecular Weight:	50.5 kDa
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Application Details

Application Notes:	This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 50.5 kDa. The protein migrates as 55-60 kDa under reducing (R) condition due to glycosylation.
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Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
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Buffer:	50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH 7.5
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Storage:	-20 °C
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Storage Comment:	-20°C
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