

KIR2DL3 Protein, Human (HEK293, Fc)

Cat. No.:	HY-P75901
Synonyms:	Killer cell immunoglobulin-like receptor 2DL3; NKAT2a; NKAT-2; CD158b2; KIRCL23
Species:	Human
Source:	HEK293
Accession:	P43628 (M1-H245)
Gene ID:	3804
Molecular Weight:	Approximately 51.6 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	KIR2DL3, expressed on natural killer (NK) cells, functions as a receptor specifically recognizing HLA-C alleles, such as HLA-Cw1, HLA-Cw3, and HLA-Cw7. Through this interaction, KIR2DL3 exerts inhibitory effects on NK cell activity, playing a crucial role in preventing cell lysis. The receptor further engages with ARRB2, highlighting its involvement in intricate cellular signaling pathways that modulate NK cell functions.
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Caution: Product has not been fully validated for medical applications. For research use only.

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