

KIR2DL2/CD158b1 Protein, Human (Biotinylated, HEK293, His-Avi)

Cat. No.:	HY-P77971
Synonyms:	Killer cell immunoglobulin-like receptor 2DL2; CD158 antigen-like family member B1; MHC class I NK cell receptor; NKAT-6; p58 NK receptor CL-43; CD158b1; KIR2DL2; CD158B1; NKAT6
Species:	Human
Source:	HEK293
Accession:	P43627 (H22-H245)
Gene ID:	3803
Molecular Weight:	45-60 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Normally 5% trehalose is added as protectant 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	KIR2DL2/CD158b1, located on natural killer (NK) cells, serves as a receptor for HLA-Cw1, Cw3, Cw7, and Cw8 allotypes. Its primary function is to exert inhibitory effects on NK cell activity, acting as a regulator to prevent cellular lysis. Through specific interactions with distinct HLA-C molecules, KIR2DL2/CD158b1 contributes to the finely tuned balance of inhibitory signals within the immune system, influencing the responsiveness of NK cells to potential targets.
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Caution: Product has not been fully validated for medical applications. For research use only.

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