KIR2DL5/CD158f Protein, Human (HEK293, Fc)

Cat. No.:	HY-P77041
Synonyms:	Killer cell immunoglobulin-like receptor 2DL5A; CD158f1; KIR2DL5A; CD158F
Species:	Human
Source:	HEK293
Accession:	Q8N109/NP_065396.1 (H22-H240)
Gene ID:	57292
Molecular Weight:	Approximately 65 kDa due to the glycosylation

PROPERTIES

AA Sequence	H E G G Q D K P L L S A W P S A V V P R G G H V T L L C R S R L G F T I F S L Y K E D G V P V P E L Y N K I F W K S I L M G P V T P A H A G T Y R C R G S H P R S P I E W S A P S N P L V I V V T G L F G K P S L S A Q P G P T V R T G E N V T L S C S S R S S F D M Y H L S R E G R A H E P R L P A V P S V N G T F Q A D F P L G P A T H G G T Y T C F G S L H D S P Y E W S D P S D P L L V S V T G N S S S S S S S P T E P S S K T G I R R H L H
Biological Activity	Immobilized Human KIR2DL5 at 2 μg/mL (100 μL/well) can bind Anti- KIR2DL5 Antibody. The ED_{50} for this effect is 1.558 μg/mL.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
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	KIR2DL5/CD158f, expressed on natural killer (NK) cells, functions as a receptor for HLA-C alleles. This receptor operates in an inhibitory manner, regulating NK cell activity to prevent cell lysis. By interacting with specific HLA-C molecules, KIR2DL5 contributes to the delicate balance of inhibitory signals in the immune system, fine-tuning the response of NK cells to

	potential targets.

Caution: Product has not been fully validated for medical applications. For research use only.

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