

DNAM-1 Protein, Human (HEK293, His-Avi)

Cat. No.:	HY-P78429
Synonyms:	CD226 molecule; CD226; DNAM1; PTA1; TLISA1
Species:	Human
Source:	HEK293
Accession:	Q15762 (E19-N247)
Gene ID:	10666
Molecular Weight:	45-70 kDa

PROPERTIES

Biological Activity	Immobilized Human DNAM-1, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Human CD155, mFc Tag with the EC ₅₀ of 0.43µg/ml determined by ELISA.
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	The DNAM-1 protein is intricately involved in intercellular adhesion, lymphocyte signaling, cytotoxicity, and lymphokine secretion mediated by cytotoxic T-lymphocytes (CTL) and natural killer (NK) cells. Serving as a cell surface receptor for NECTIN2, DNAM-1, upon ligand binding, stimulates T-cell proliferation and the production of cytokines such as IL2, IL5, IL10, IL13, and IFNG. Furthermore, DNAM-1 competes with PVRIG for NECTIN2-binding, underscoring its regulatory role in cellular interactions and signaling pathways. This protein also interacts with PVR and NECTIN2, contributing to its multifaceted functions in immune responses and cellular communication.
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Caution: Product has not been fully validated for medical applications. For research use only.

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