

## DNAM-1 Protein, Mouse (236a.a, HEK293, His)

Cat. No.:	HY-P72669
Synonyms:	DNAX accessory molecule 1; DNAM-1; CD226 antigen; CD226
Species:	Mouse
Source:	HEK293
Accession:	Q8K4F0 (E19-P254)
Gene ID:	225825
Molecular Weight:	35-50 kDa

### PROPERTIES

AA Sequence	<pre> E E T L W D T T V R   L S E T M T L E C V   Y P L T H N L T Q V   E W T K N T G T K T V S I A V Y N P N H   N M H I E S N Y L H   R V H F L N S T V G   F R N M S L S F Y N A S E A D I G I Y S   C L F H A F P N G P   W E K K I K V V W S   D S F E I A A P S D S Y L S A E P G Q D   V T L T C Q L P R T   W P V Q Q V I W E K   V Q P H Q V D I L A S C N L S Q E T R Y   T S K Y L R Q T R S   N C S Q G S M K S I   L I I P N A M A A D S G L Y R C R S E A   I T G K N K S F V I   R L I I T D G G T N   K H F I L P           </pre>
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.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O. 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	DNAM-1 Protein, a cell surface receptor, is involved in intercellular adhesion, lymphocyte signaling, cytotoxicity, and lymphokine secretion mediated by cytotoxic T-lymphocytes (CTL) and natural killer (NK) cells. It acts as a receptor for NECTIN2 and, upon ligand binding, stimulates T-cell proliferation and cytokine production, including IL2, IL5, IL10, IL13, and IFNG. DNAM-1 Protein competes with PVRIG for NECTIN2-binding and interacts with PVR and NECTIN2.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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