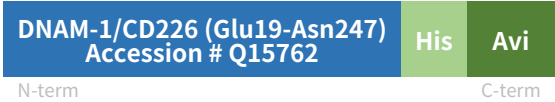


Rev02
 Update: Aug,08,2025
DATASHEET

DNAM-1/CD226, His & Avi, Human

Cat. No.: Z05225

Product Introduction

Species	Human
Protein Construction	 <small>N-term</small> <small>C-term</small>
Purity	> 95% as determined by BisTris PAGE > 95% as determined by SECHPLC
Endotoxin Level	Less than 1EU per µg by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized DNAM-1/CD226, His & Avi, Human at 5µg/ml (100µl/well) on the plate can bind Human CD155, mFc Tag. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	28.9 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 45-70 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

Background

Target Background : DNAM-1 (DNAM-1), also known as CD226, is a 65 kDa type I transmembrane glycoprotein in the immunoglobulin superfamily. DNAM-1 mediates cellular adhesion to other cells bearing its ligands, CD112 and CD155, and cross-linking DNAM-1 with antibodies causes cellular activation. Furthermore, DNAM-1 can interact with PVRL2.

Synonyms : CD226 molecule; CD226; DNAM1; PTA1; TLISA1

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