

Rev02
 Update: Aug,08,2025
DATASHEET

DNAM-1/CD226 hFc Chimera, Human

Cat. No.: Z05224

Product Introduction

Species	Human
Protein Construction	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> DNAM-1/CD226 (Glu19-Asn247) Accession # Q15762 </div> <div style="background-color: #76923c; color: white; padding: 5px; text-align: center;"> hFc </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> N-term C-term </div>
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per µg by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Biotinylated Human CD155, His Tag at 2µg/ml (100µl/well) on the plate can bind DNAM-1/CD226 hFc Chimera, Human. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	52.8 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 70-100 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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