

Rev07
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DATASHEET

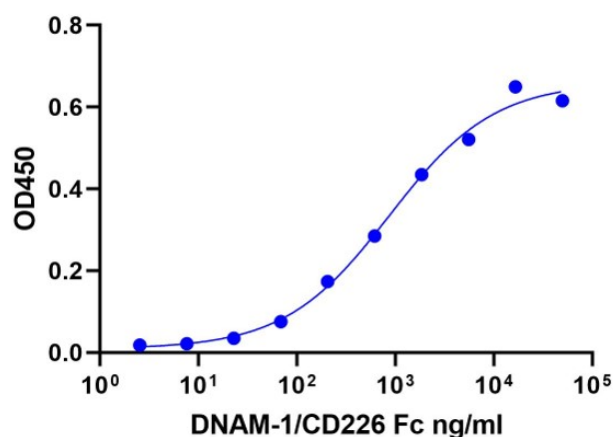
DNAM-1/CD226 Fc Chimera, Human

Cat. No.: Z03454

Product Introduction

Species	Human
Protein Construction	DNAM-1/CD226 (Glu19-Asn247) Accession # Q15762 hFc N-term C-term
Purity	> 95% as analyzed by SDS-PAGE
Endotoxin Level	< 1 EU/μg of protein by gel clotting method
Biological Activity	Immobilized Rhesus macaque CD155/PVR Protein, His Tag at 1.0 μg/ml (100 μl/well) can bind DNAM-1/CD226, hFc, Human with an EC ₅₀ of 0.871 μg/ml when detected by Mouse Anti-Human IgG Fc-HRP.
Expression System	HEK 293
Apparent Molecular Weight	~81.7 kDa, on SDS-PAGE under reducing conditions.
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS.
Reconstitution	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH ₂ O or PBS up to 100 μg/ml.
Storage & Stability	Upon receiving, this product remains stable for 6 months at lower than -70°C. Upon reconstitution, the product should be stable for 1 week at 4°C or for 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.

Examples



Immobilized Rhesus macaque CD155/PVR Protein, His Tag at 1 µg/ml (100 µl/well) can bind DNAM-1/CD226 Fc Chimera, Human with an EC50 of 0.871 µg/ml when detected by Mouse Anti-Human IgG Fc-HRP. Background was subtracted from data points before curve fitting.

Background

Target Background : DNAM-1 (DNAX accessory molecule-1), also known as CD226, platelet and T cell activation antigen 1 (PTA1) and TLI1A1, is a member of the Ig superfamily containing two Ig-like domains of the V set and is encoded by a gene on human chromosome 18q22.3. DNAM-1 is an activating receptor expressed on natural killer (NK) cells, CD8+ T cells, and other immune cells. Upon recognition of its ligands, CD155 and CD112, DNAM-1 promotes NK cell-mediated elimination of transformed and virus-infected cells. It also has a key role in expansion and maintenance of virus-specific memory NK cells. DNAM-1 is the cell surface receptor of NECTIN2. Upon ligand binding, it stimulates T cell proliferation and cytokine production, including that of IL2, IL5, IL10, IL13 and IFNG.

Synonyms : DNAM-1; CD226; PTA1; TLI1A1

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.

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