


Human CD226/DNAM-1 protein, His tag (Animal-Free)

Cat #: PRP2038

Size: 10 µg/ 50 µg/100 µg/1 mg

Product Information

	Product Name: Human CD226/DNAM-1 protein, His tag (Animal-Free)		
REF	Catalog Number: PRP2038	LOT	Lot Number: Refer to product label
	Purity: >95% as determined by SDS-PAGE		
	Storage: Store at -20°C		Preparation method: HEK 293 Cells
	Shipping: The product is shipped at ambient temperature.		

Background: The adhesion receptor CD226 (DNAM-1) is a member of the Ig superfamily possessing two extracellular V-like domains. In humans, CD226 was shown to be expressed by NK as well as T cells. During T cell priming, CD226-mediated costimulatory signals may skew the subsequent differentiation into the Th1 pathway. In addition, CD226 expressed on NK and cytotoxic T cells is engaged by its counter-receptor CD155, present on target cells, thereby triggering their elimination. CD226 represents receptor-activating cytotoxic T lymphocyte and natural killer cells taking part in tumor surveillance, the pathogenesis of inflammation, and autoimmune disorders.

Sequence: Amino acid sequence derived from human CD226 protein (NP_006557, Met 1-Asn 247) was expressed with a polyhistidine tag at the C-terminus.

Protein length: The recombinant human CD226 protein consists of 236 amino acids and predicts a molecular mass of 27 kD. The apparent molecular mass of the human CD226 is approximately 36-50 kDa in SDS-PAGE under reducing conditions due to glycosylation.

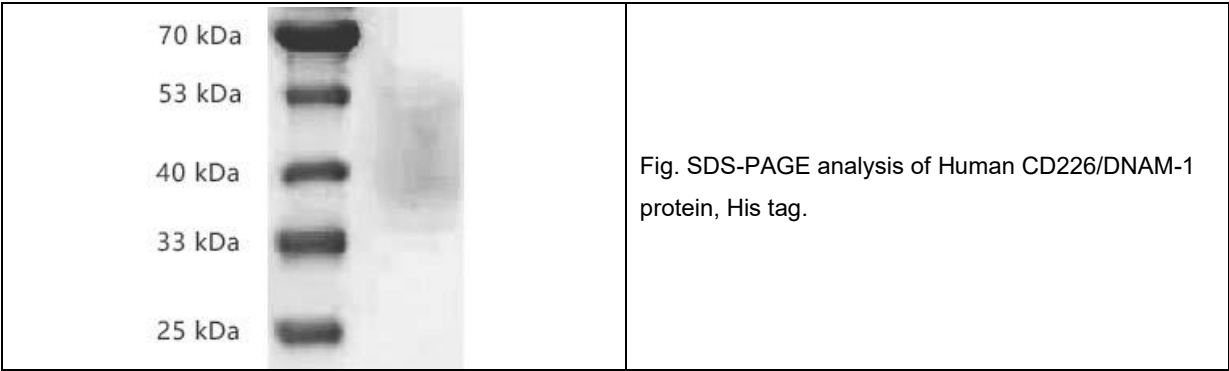
Biological Activity: Testing in progress.

Endotoxin: < 1 EU per µg of the protein as determined by the LAL method.

Formulation: Lyophilized from sterile PBS, pH 7.4.

Storage Instructions: Lyophilized human CD226 protein product should be stored desiccated below -18°C. Upon reconstitution, the protein should be stored at 4°C between 2 -7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Usage notes: Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized human CD226 protein in the buffer which we provide not less than 100 µg/mL, which can then be further diluted to other aqueous solutions.



Note: The product listed herein is for research use only and is not intended for use in human or clinical diagnosis. Suggested applications of our products are not recommendations to use our products in violation of any patent or as a license. We cannot be responsible for patent infringements or other violations that may occur with the use of this product.