


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.



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