

Human DPPIV/CD26 Protein

Cat. No. DPV-HM126



Description

Source	Recombinant Human DPPIV/CD26 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Asn29-Pro766.
Accession	P27487
Molecular Weight	The protein has a predicted MW of 86.39 kDa. Due to glycosylation, the protein migrates to 90-115 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

Formulation	Supplied as 0.22 μm filtered solution in PBS, 20% Glycerol (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

CD26/dipeptidyl peptidase (DPP)IV is a membrane-bound protein found in many cell types of the body, and a soluble form is present in body fluids. There is longstanding evidence that various primary tumors and also metastases express DPPIV/CD26 to a variable extent.

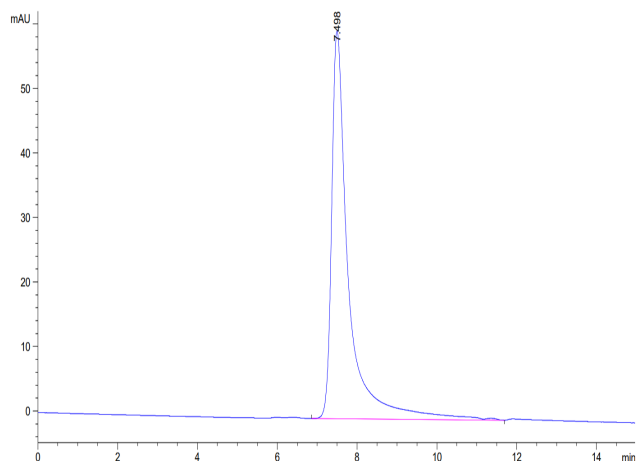
Assay Data

Bis-Tris PAGE



Human DPPIV on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

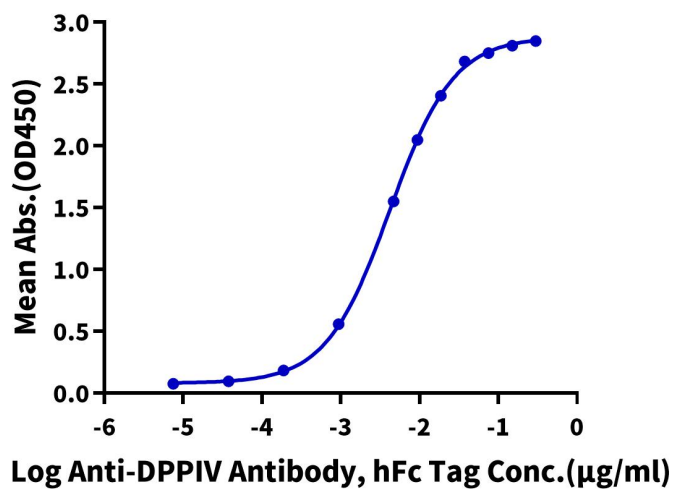
SEC-HPLC



The purity of Human DPPIV is greater than 95% as determined by SEC-HPLC.

ELISA Data

Assay Data

Human DPPIV, His Tag ELISA0.1 μ g Human DPPIV, His Tag Per Well

Immobilized Human DPPIV, His Tag at 1 μ g/ml (100 μ l/well) on the plate. Dose response curve for Anti-DPPIV Antibody, hFc Tag with the EC₅₀ of 4.2ng/ml determined by ELISA (QC Test)..

Bioactivity Data

Measured by its ability to cleave the fluorogenic peptide substrate, Gly-Pro-7-amido-4-methylcoumarin (GP-AMC). The specific activity is >8500 pmol/min/ μ g (QC Test).