

Rev03
 Update: Aug,08,2025

DATASHEET

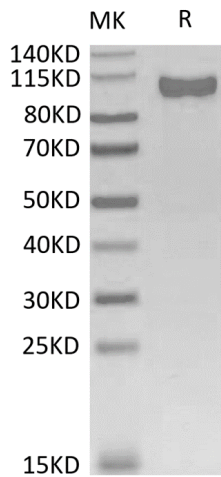
DPPIV/CD26, His, Human

Cat. No.: Z04248

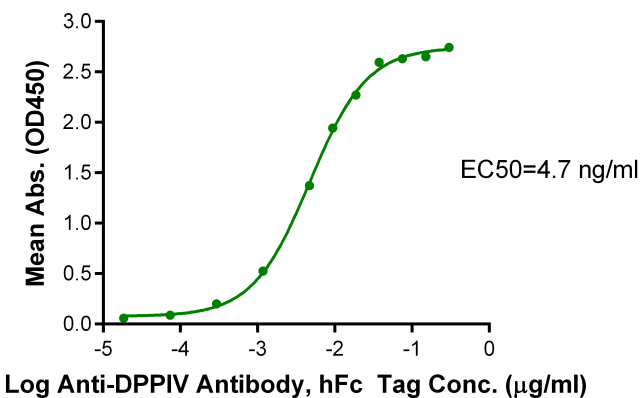
Product Introduction

Species	Human
Protein Construction	<div style="display: flex; align-items: center; justify-content: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center; margin-right: 10px;"> DPPIV/CD26 (Asn29-Pro766) Accession # P27487 </div> <div style="background-color: #76923c; color: white; padding: 5px; text-align: center; margin-right: 10px;"> His </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px; font-size: small;"> 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 DPPIV/CD26, His, Human at 1µg/ml (100µl/well) on the plate can bind AntiDPPIV Antibody, hFc Tag. Test result was comparable to standard batch. Measured by its ability to cleave the fluorogenic peptide substrate, GlyPro7amido4methylcoumarin (GPAMC). The specific activity is >8500 pmol/min/µg. Test result meets the standard.
Expression System	HEK293
Theoretical Molecular Weight	86.39 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 90-115 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.

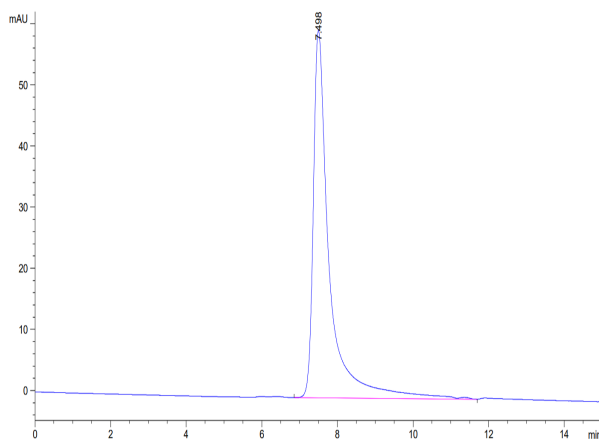
Examples



DPPIV/CD26, His, Human on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



Immobilized DPPIV/CD26, His, Human, His Tag at 1 µg/ml (100 µL/well) on the plate. Dose response curve for Anti-DPPIV Antibody, hFc Tag with the EC50 of 4.7 ng/ml determined by ELISA.



The purity of DPPIV/CD26, His, Human is greater than 95% as determined by SEC-HPLC.

Background

Target 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.

Synonyms : ADCP2; CD26; DPPIV; DPP4; ADABP; TP103; EC 3.4.14.5

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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