

Datasheet for ABIN7274492
DPP4 Protein (His tag)



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3 Images

Overview

Quantity:	100 µg
Target:	DPP4
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DPP4 protein is labelled with His tag.

Product Details

Sequence:	Asn29-Pro766
Purity:	> 95% as determined by Tris-Bis PAGE, > 95% as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human DPP4 at 1µg/ml (100µl/well) on the plate. Dose response curve for Anti-DPP4 Antibody, hFc Tag with the EC50 of 8.1ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	DPP4
Alternative Name:	DPPIV (DPP4 Products)
Background:	ADCP2, CD26, DPPIV, DPP4, ADABP, TP103, EC 3.4.14.5, 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

Target Details

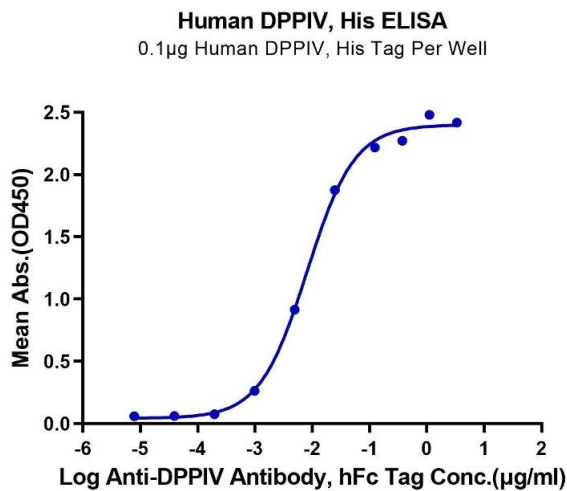
	body fluids. There is longstanding evidence that various primary tumors and also metastases express DPPIV/CD26 to a variable extent.
Molecular Weight:	90.5 kDa. Due to glycosylation, the protein migrates to 91-115 kDa based on Tris-Bis PAGE result.
UniProt:	P27487
Pathways:	Peptide Hormone Metabolism , Regulation of Leukocyte Mediated Immunity

Application Details

Restrictions:	For Research Use only
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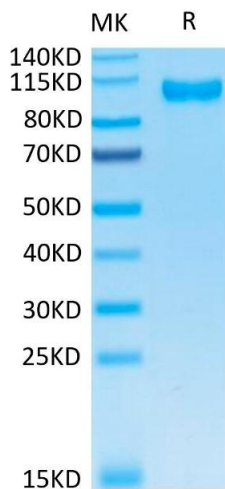
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.
Storage:	4 °C,-80 °C
Storage Comment:	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Expiry Date:	12 months



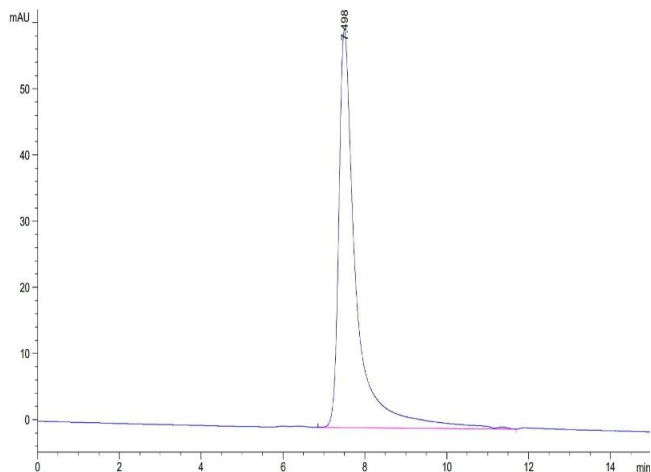
ELISA

Image 1. Immobilized Human DPPIV at 1 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-DPPIV Antibody, hFc Tag with the EC50 of 8.1 ng/mL determined by ELISA.



SDS-PAGE

Image 2. Human DPPIV on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Human DPPIV Protein is greater than 95 % as determined by SEC-HPLC.