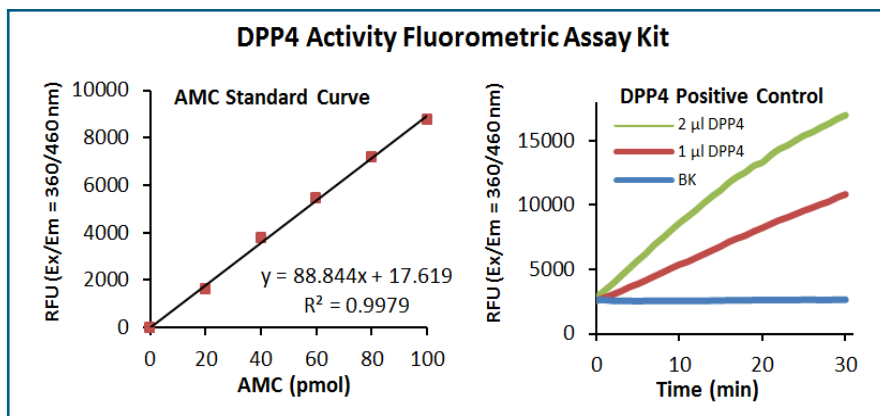
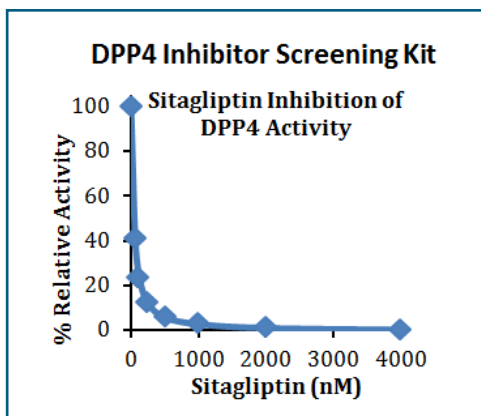


# Dipeptidyl Peptidase-4 (DPP4)

DPP4, also known as adenosine deaminase complexing protein 2 or CD26 is a membrane-associated peptidase that is widely distributed in numerous tissues. This promiscuous enzyme has been reported to be involved in diverse functions such as cell matrix adhesion, co-stimulation during T cell activation, adenosine deaminase binding, migration and invasion of endothelial cells into collagenous matrices, and interaction with human immunodeficiency virus (HIV) proteins. One of the major roles of DPP4 is to regulate the glucose metabolism. It degrades the incretin hormones such as glucagon-like peptide-1 (GLP-1) and glucose-dependent insulinotropic peptide (GIP) which are involved in the regulation of insulin and have multiple anti-diabetic actions, including decreased glucagon secretion, enhancement of meal stimulated insulin secretion, improvements in  $\beta$  cell function etc. Inhibiting DPP4 activity by DPP4 inhibitors prevents the inactivation & prolongs the duration of action of these incretin hormones, which in turn help to correct the defective insulin & glucagons secretion that marks type 2 diabetes. The first DPP-4 inhibitor, sitagliptin became available in 2006 as a treatment for type 2 diabetes. Since then, DPP-4 inhibitors have emerged as an important drug class to treat type 2 diabetes.

BioVision is delighted to offer diverse range of DPP4 related products including assay kits, inhibitors, antibodies & recombinant proteins for researchers pursuing research in the area of diabetes, signal transduction, apoptosis, inflammation & immune regulation.



## Assay Kits

Product Name	Cat. No.	Size
DPP4 Activity Fluorometric Assay Kit	K779	100 Assays
DPP4 Inhibitor Screening Kit (Fluorometric)	K780	100 Assays
DPP4/CD26 (mouse) ELISA Kit	K4770	100 Assays
DPP IV/CD26 (human) ELISA Kit	K4801	100 Assays

## Proteins

Product Name	Cat. No.	Size
Dipeptidyl Peptidase IV, Human Placenta	4709	10 mU
Dipeptidylpeptidase IV, human recombinant	4710	10 µg, 50 µg, 1 mg
Human CellExp™ DPPIV/CD26, human recombinant (untagged)	7436	10 µg
Human Recombinant ADA	6393	50 µg

155 S. Milpitas Blvd, Milpitas, CA 95035

T: 408-493-1800 F: 408-493-1801

Toll Free: 800-891-9699 (US Only)



## DPP4 Inhibitors

Product Name	Cat. No.	Size	CAS No.
Alogliptin benzoate	9656	50 mg, 250 mg	850649-62-6
Diprotin A	2191	5 mg, 25 mg	90614-48-5
Diprotin B	2192	5 mg, 25 mg	90614-49-6
DiscoveryPak™ DPP-IV Inhibitors Set	K890	5 Inhibitors	N/A
DPP IV Inhibitor, K 579	1963	1 mg, 5 mg	440100-64-1
DPP IV Inhibitor, NVP DPP 728	1964	1 mg, 5 mg	247016-69-9
DPPIV Inhibitor, P32/98	2571	5 mg, 25 mg	136259-20-6
Linagliptin	2240	50 mg, 250 mg	668270-12-0
MK-3102	9599	1 mg, 5 mg	1226781-44-7
Saxagliptin	9528	50 mg, 250 mg	361442-04-8
Sitagliptin Phosphate Monohydrate	1757	100 mg, 1 g	654671-77-9
Trelagliptin succinate	2798	5 mg, 25 mg	1029877-94-8
Vildagliptin	2188	10 mg, 50 mg	274901-16-5

## Antibodies

Product Name	Cat. No.	Size
Anti-Caveolin-1 Antibody	A1010	50 µl
DPPIV (Human) Antibody	6693	50 µg
DPPIV (Mouse) Antibody	6694	50 µg
Phospho-Caveolin-1 (Tyr14) Antibody	A1254	100 µl

Please visit [www.BioVision.com](http://www.BioVision.com) for a comprehensive overview on our products!!