



# Human dipeptidyl peptidase 4, DPP4 ELISA Kit

<b>Product Code</b>	CSB-E08518h
<b>Abbreviation</b>	DPP4
<b>Protein Biological Process 1</b>	Cell Adhesion
<b>Target Name</b>	dipeptidyl-peptidase 4
<b>Uniprot No.</b>	P27487
<b>Alias</b>	ADABP, ADCP2, CD26, DPPIV, TP103, T-cell activation antigen CD26 adenosine deaminase complexing protein 2 dipeptidylpeptidase 4 dipeptidylpeptidase IV dipeptidyl peptidase IV (CD26, adenosine deamina dipeptidyl peptidase 4,DPP4
<b>Product Type</b>	ELISA Kit
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Protein Biological Process 3</b>	Cell adhesion
<b>Sample Types</b>	serum, plasma, tissue homogenates
<b>Detection Range</b>	1.56 ng/mL-100 ng/mL
<b>Sensitivity</b>	0.39 ng/mL
<b>Assay Time</b>	1-5h
<b>Sample Volume</b>	50-100ul
<b>Detection Wavelength</b>	450 nm
<b>Lead Time</b>	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
<b>Research Area</b>	Immunology
<b>Gene Names</b>	DPP4
<b>Tag Info</b>	quantitative
<b>Protein Description</b>	Sandwich
<b>Description</b>	This Human DPP4 ELISA Kit was designed for the quantitative measurement of Human DPP4 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 1.56 ng/mL-100 ng/mL and the sensitivity is 0.39 ng/mL.
<b>Target Details</b>	This protein is identical to adenosine deaminase complexing protein-2, and to the T-cell activation antigen CD26. It is an intrinsic membrane glycoprotein and a serine exopeptidase that cleaves X-proline dipeptides from the N-terminus of polypeptides.



## Product Precision

Intra-assay Precision (Precision within an assay): CV%<8%

Three samples of known concentration were tested twenty times on one plate to assess.

Inter-assay Precision (Precision between assays): CV%<10%

Three samples of known concentration were tested in twenty assays to assess.

## Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of human DPP? in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

	Sample	Serum(n=4)
1:1	Average %	96
	Range %	92-102
1:2	Average %	89
	Range %	83-98
1:4	Average %	94
	Range %	87-102
1:8	Average %	95
	Range %	89-105

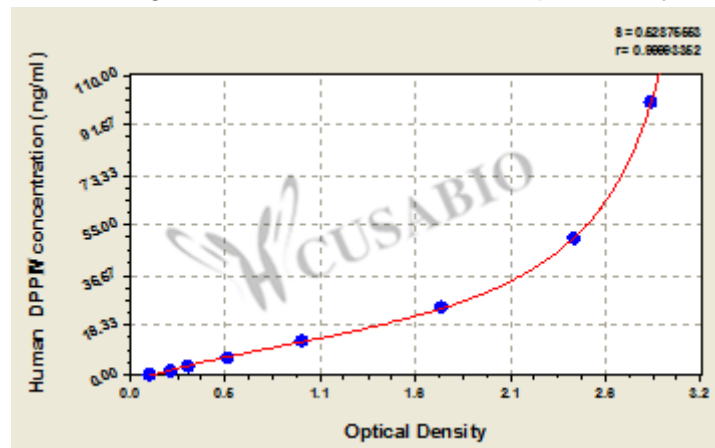
## Recovery

The recovery of human DPP? spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	96	83-106
EDTA plasma (n=4)	89	85-96

## Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



ng/ml	OD1	OD2	Average	Corrected
100	2.931	2.852	2.892	2.773
50	2.438	2.495	2.467	2.348
25	1.703	1.762	1.733	1.614
12.5	0.943	0.975	0.959	0.840
6.25	0.536	0.560	0.548	0.429
3.12	0.332	0.325	0.329	0.210
1.56	0.228	0.236	0.232	0.113
0	0.118	0.120	0.119	

**Msds**

```
{"0":{"fileurl":"https://www.cusabio.com/uploadfile/msds/MSDS CSB-E08518h.pdf","filename":"MSDS"}}
```