

## Human dipeptidyl peptidase IV ELISA Kit | DPPIV elisa kit

Human dipeptidyl peptidase IV ELISA Kit

CATALOG #  
**AAA87450**

REACTIVITY  
**Human**

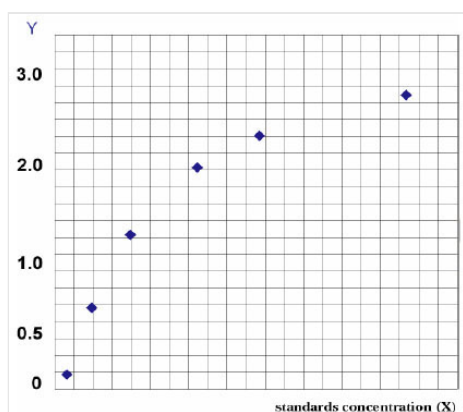
### PRODUCT SYNONYMS

dipeptidyl peptidase IV; Human dipeptidyl peptidase IV ELISA Kit; Human dipeptidyl peptidase IV (DPPIV) ELISA Kit; dipeptidyl peptidase IV (Human); DPPIV elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                    |
|-------------------------|------------------------------------|
| Reactivity              | Human                              |
| Assay Type              | Sandwich                           |
| Preparation and Storage | Store all reagents at 2-8 degree C |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for DPPIV elisa kit

**Intended Uses:** This DPP€ ELISA kit is intended Laboratory for research use only. The Stop Solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of DPP€ in the sample, this DPP€ ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus DPP€ concentration. The concentration of DPP€ in the samples is then determined by comparing the O.D. of the samples to the standard curve.

**Principle of the Assay:** This DPP€ enzyme linked immunosorbent assay applies a technique called a quantitative sandwich immunoassay. The microtiter plate provided in this kit has been pre-coated with a monoclonal antibody specific for DPP€. Standards or samples are then added to the microtiter plate wells and DPP€ if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of DPP€ present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for DPP€ are added to each well to "sandwich" the DPP immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, A and B substrate solution is added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain DPP€ and enzyme-conjugated antibody will exhibit a change in colour. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the colour change is measured spectrophotometrically at a wavelength of 450 nm.

|                                               |                 |
|-----------------------------------------------|-----------------|
| Product Categories/Family for DPPIV elisa kit | Human ELISA Kit |
|-----------------------------------------------|-----------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                               |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 18765694                                                                                                                                                                                                                                                      |
| NCBI GeneID                      | 1803                                                                                                                                                                                                                                                          |
| NCBI Accession #                 | NP_001926.2                                                                                                                                                                                                                                                   |
| NCBI GenBank Nucleotide #        | NM_001935.3                                                                                                                                                                                                                                                   |
| UniProt Accession #              | P27487; Q53TN1                                                                                                                                                                                                                                                |
| Molecular Weight                 | 88,279 Da                                                                                                                                                                                                                                                     |
| NCBI Official Full Name          | dipeptidyl peptidase 4                                                                                                                                                                                                                                        |
| NCBI Official Synonym Full Names | dipeptidyl-peptidase 4                                                                                                                                                                                                                                        |
| NCBI Official Symbol             | DPP4                                                                                                                                                                                                                                                          |
| NCBI Official Synonym Symbols    | CD26; ADABP; ADCP2; DPPIV; TP103                                                                                                                                                                                                                              |
| NCBI Protein Information         | dipeptidyl peptidase 4; ADCP-2; DPP IV; OTTHUMP00000162936; dipeptidylpeptidase 4; dipeptidyl peptidase IV; T-cell activation antigen CD26; adenosine deaminase complexing protein 2; dipeptidylpeptidase IV (CD26, adenosine deaminase complexing protein 2) |
| UniProt Protein Name             | Dipeptidyl peptidase 4                                                                                                                                                                                                                                        |
| UniProt Gene Name                | <b>DPP4</b>                                                                                                                                                                                                                                                   |
| UniProt Synonym Gene Names       | ADCP2; CD26; ADCP-2; DPP IV                                                                                                                                                                                                                                   |
| UniProt Entry Name               | DPP4_HUMAN                                                                                                                                                                                                                                                    |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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 Online datasheet: <https://www.aaabiotech.com/dppiv-human-elisa-kits/dipeptidyl-peptldase-iv/87450>