

Rat dipeptidyl peptidase IV ELISA Kit | DPPIV elisa kit

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CATALOG #
AAA86546

REACTIVITY
Rat

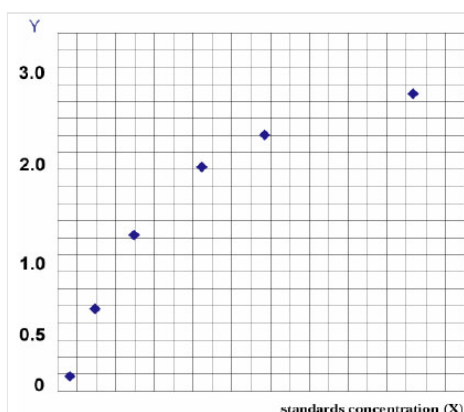
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
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.

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	DPP4
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.