

Human Dipeptidyl Peptidase IV (DPP4) ELISA Kit | DPP4 elisa kit

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CATALOG #
AAA138119

REACTIVITY
Human

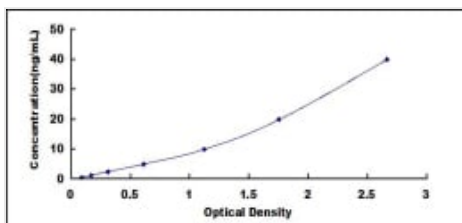
PRODUCT SYNONYMS

Dipeptidyl Peptidase IV (DPP4); Human Dipeptidyl Peptidase IV (DPP4) ELISA Kit; CD26; ADA; DPPIV; DPP-IV; ADABP; ADCP2; TP103; Adenosine Deaminase Complexing Protein 2; T-cell activation antigen CD26; DPP4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Dipeptidyl Peptidase IV (DPP4). No significant cross-reactivity or interference between Dipeptidyl Peptidase IV (DPP4) and analogues was observed.
Sequence Length	766
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates and other biological fluids
Detection Range	0.625-40ng/mL
Sensitivity	0.253ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Dipeptidyl Peptidase IV (DPP4) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Dipeptidyl Peptidase IV (DPP4) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DPP4 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Dipeptidyl Peptidase IV (DPP4). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Dipeptidyl Peptidase IV (DPP4). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Dipeptidyl Peptidase IV (DPP4), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Dipeptidyl Peptidase IV (DPP4) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for DPP4 elisa kit	Signal transduction; Enzyme & Kinase; Apoptosis; Tumor immunity; Endocrinology; Cardiovascular biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	1195575
NCBI GeneID	1803
UniProt Accession #	P27487; Q53TN1
Molecular Weight	88,279 Da
NCBI Official Full Name	dipeptidyl peptidase IV, partial
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
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.