

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

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CATALOG #
AAA177847

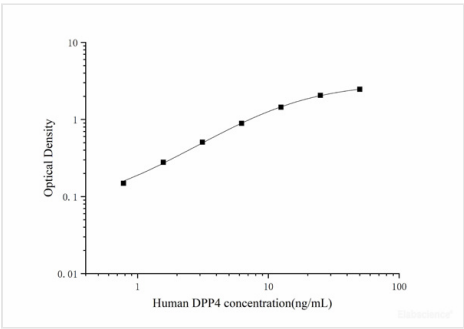
REACTIVITY
Human

PRODUCT SYNONYMS

DPP4 (Dipeptidyl Peptidase IV); Human DPP4 (Dipeptidyl Peptidase IV) ELISA Kit; CD26; DPPIV; ADABP; ADCP2; TP103; Adenosine Deaminase Complexing Protein 2; DPP4; DPP4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes Human DPP4 in samples. No significant cross-reactivity or interference between Human DPP4 and analogues was observed. This ELISA kit applies to the in vitro quantitative determination of Human DPP4 concentrations in serum, plasma and other biological fluids.
Assay Type	Sandwich ELISA
Detection Method	Colormetric
Tested Sample Types	Serum, plasma and other biological fluids
Detection Range	0.78~50ng/mL
Sensitivity	0.47ng/mL
Precision	Both intra-CV and inter-CV are < 10%.
Test Principle	This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human DPP4. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Human DPP4 and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human DPP4, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450nm +/- 2nm. The OD value is proportional to the concentration of Human DPP4. You can calculate the concentration of Human DPP4 in the samples by comparing the OD of the samples to the standard curve.
Preparation and Storage	An unopened kit can be stored at 2-8 degree C for 1 month. If the kit is not supposed to be used within 1 month, store the components separately according to the *following conditions (manual) once the kit is received.



Standard Curve (Sample)

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	766
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; 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.