

Human CD26/DPP4 ELISA Kit | DPP4 elisa kit

Human CD26/DPP4 PicoKine Quick ELISA Kit

CATALOG # AAA126798	REACTIVITY Human	APPLICATIONS ELISA
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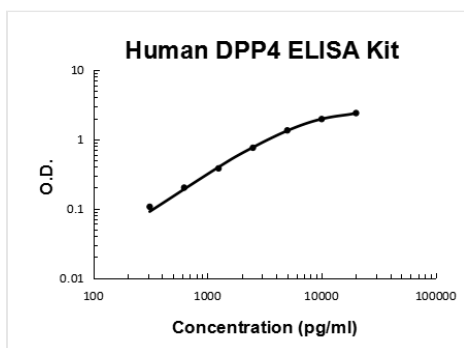
PRODUCT SYNONYMS

CD26/DPP4; Human CD26/DPP4 PicoKine Quick ELISA Kit; DPP4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human DPP4
Assay Type	Sandwich
Samples	Cell culture supernatants, serum, plasma (heparin, EDTA), saliva and urine
Detection Range	312 pg/ml - 20,000 pg/ml
Sensitivity	<10 pg/ml
Applicable Applications for DPP4 elisa kit	ELISA
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.)

IMAGES



Standard Curve (Sample)

Human DPP4 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for DPP4 elisa kit	Background: Dipeptidyl peptidase-4(DPP4), also known as adenosine deaminase complexing protein 2 or CD26(cluster of differentiation 26) is a protein that, in humans, is encoded by the DPP4 gene. By fluorescence in situ hybridization, the CD26 gene was mapped to 2q24.3. DPP4 plays a major role in glucose metabolism. It is responsible for the degradation of incretins such as GLP-1. Furthermore, it appears to work as a suppressor in the development of cancer and tumours. CD26/ DPP4 plays an important role in tumor biology, and is useful as a marker for various cancers, with its levels either on the cell surface or in the serum increased in some neoplasms and decreased in others. Principle of the Assay: The Quick Picokine™ Human DPP4 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human DPP4 in cell culture supernatants, serum, plasma (heparin, EDTA), saliva and urine. It uses our proprietary Quick ELISA technology. Quick ELISA technology employs capture antibodies conjugated to an affinity tag that is recognized by the polyclonal antibody used to coat our Quick ELISA plates. This approach to sandwich ELISA allows the formation of the antibody-analyte sandwich complex in a single step, significantly reducing assay time. The kit includes Human DPP4 protein as standards. To measure Human DPP4, add standards and samples to the wells, then add antibody cocktail. Wash the wells with PBS or TBS buffer, and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product is linearly proportional to Human DPP4 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human DPP4 in the sample.
Product Categories/Family for DPP4 elisa kit	PicoKine ELISA Kits, Fast ELISA Kits

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.