

Human CD26/DPP4 ELISA Kit | DPP4 elisa kit

Human CD26/DPP4 PicoKine ELISA Kit

CATALOG #
AAA45557

REACTIVITY
Human

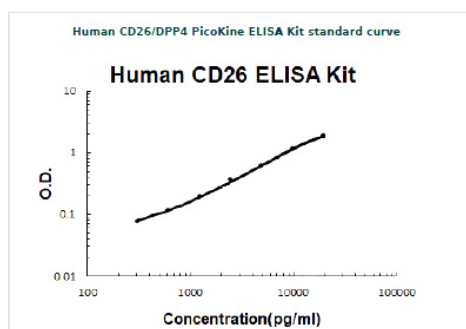
PRODUCT SYNONYMS

CD26/DPP4; Human CD26/DPP4 PicoKine ELISA Kit; Dipeptidyl peptidase 4; dipeptidyl-peptidase 4; ADABP; ADCP-2; ADCP2; Adenosine deaminase complexing protein 2; CD26; Dipeptidyl peptidase 4 soluble form; Dipeptidyl peptidase IV; Dipeptidyl peptidase IV membrane form; Dipeptidyl peptidase IV soluble form; Dipeptidylpeptidase 4; DPP 4; DPP IV; DPP4; DPP4_HUMAN; DPP4V; T-cell activation antigen CD26; TP103; DPP4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human DPP4
Sequence Length	766
Samples	Cell culture supernatants, serum, plasma (heparin, edta), saliva and urine
Detection Range	312 pg/ml - 20,000 pg/ml
Sensitivity	<10 pg/ml
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 (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DPP4 elisa kit	Principle of the Assay: The Picokine™ Human DPP4 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human DPP4 with a 96-well strip plate that is pre-coated with antibody specific for DPP4. The detection antibody is a biotinylated antibody specific for DPP4. The capture antibody is monoclonal antibody from mouse and the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human DPP4 with immunogen: Expression system for standard: NS0; Immunogen sequence: D34-P766. The kit is analytically validated with ready-to-use reagents. To measure Human DPP4, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP 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 at 450nm 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. Background/Introduction: 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1352311
NCBI GeneID	1803
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; 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.