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DPP4 ELISA Kit





Overview

Quantity:	1 kit
Target:	DPP4
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	62.5 pg/mL - 4000 pg/mL
Minimum Detection Limit:	62.5 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	Synonyms: ADABP, ADCP-2, ADCP2, Adenosine deaminase complexing protein 2, CD26, Dipeptidyl peptidase 4, 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, DPPIV, T-cell activation antigen CD26, TP103 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.

Gene Name: DPP4

Production: Natural and recombinant mouse CD26. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: S29-H760

Target Details

Target:	DPP4
Alternative Name:	CD26 - DPP4 (DPP4 Products)
Gene ID:	13482
NCBI Accession:	NP_001153015
UniProt:	P28843
Pathways:	Peptide Hormone Metabolism, Regulation of Leukocyte Mediated Immunity

Application Details

Application Notes:

Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 4000pg/mL, 2000pg/mL,1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL mouse CD26 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of mouse cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each mouse CD26 standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

Sample Volume: 100 µL

Plate: Pre-coated

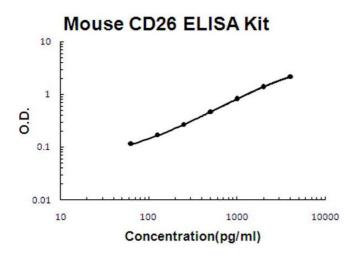
Restrictions: For Research Use only

ELISA Dilution: 62.5pg/mL-4000pg/mL

Handling

Storage:	RT,4 °C,-20 °C
Storage Comment:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at
	room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only
	prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid
	cycles of freezing and thawing.

Images



ELISA

Image 1. Mouse CD26/DPP4 Accusignal ELISA Kit Mouse CD26/DPP4 AccuSignal ELISA Kit standard curve. Assay Range: 62.5pg/ml-4000pg/ml. Sensitivity: <10pg/ml.