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Datasheet for KOA0401

Human CD26 - DPP4 ELISA Kit

Overview

Description:	Human CD26/DPP4 AccuSignal ELISA Kit - KOA0401
Item No.:	KOA0401
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	312 pg/ml - 20000 pg/ml

Product Details

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.
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
Detection Kit Type:	ELISA Kit
Detection Range:	312 pg/ml - 20000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	DPP4
Reactivity:	Human
Immunogen:	Expression system for standard: NSO; Immunogen sequence: D34-P766

Purity/Specificity:	Natural and recombinant human CD26. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - P27487 • NCBI - NP_001926.2 • GeneID - 1803 • KOA0401 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 20000pg/ml, 10000pg/ml, 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml, 312pg/ml human CD26 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of human cell culture supernates, serum, plasma(heparin, EDTA) saliva or urine to each empty well. It is recommended that each human CD26 standard solution and each sample be measured in duplicate.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

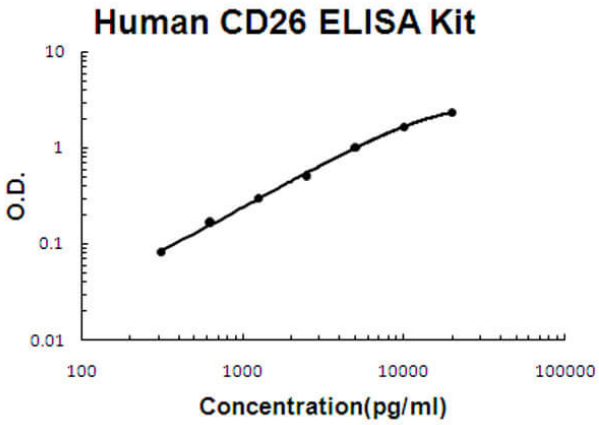
Formulation

Anticoagulant:	Heparin Sodium

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	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.
Expiration:	See kit insert for complete instructions.

Images



ELISA
Human CD26/DPP4 AccuSignal ELISA Kit standard curve.
Assay Range: 312pg/ml-20000pg/ml. Sensitivity: <10pg/ml.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.