

Human DPP4 Antibody Pair Set

Catalog No.	E-KAB-0022	Applications	ELISA
Synonyms	CD26, DPPIV, ADABP, ADCP2, TP103, Adenosine Deaminase Complexing Protein 2		

Kit components & Storage

Title	Specifications	Storage
Human DPP4 Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze / thaw cycles.
Human DPP4 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze / thaw cycles.

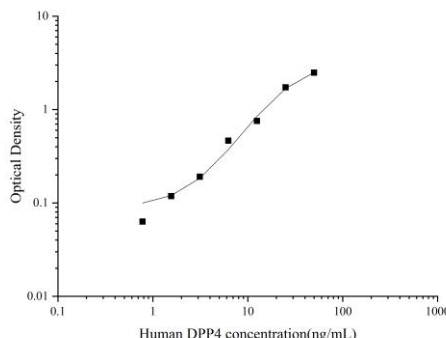
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0022)	
		Human DPP4 Capture Antibody	Human DPP4 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human DPP4 protein	Recombinant Human DPP4 protein
	Swissprot	P27487	
Product details	Reactivity	Human	Human
	Host	Rat	Goat
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4
	Purify	Protein A or G	Antigen Affinity
	Specificity	Detects Human DPP4 in ELISAs.	

Applications

Human DPP4 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																		
ELISA Capture	0.5-4µg/mL	Human DPP4 Capture Antibody	 <p>The graph is a log-log plot of Optical Density versus Human DPP4 concentration (ng/mL). The x-axis ranges from 0.1 to 1000 ng/mL, and the y-axis ranges from 0.01 to 10. The data points show a clear upward trend, indicating that as the concentration of Human DPP4 increases, the optical density also increases. The curve is smooth and passes through several data points.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Human DPP4 concentration (ng/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>0.5</td> <td>0.05</td> </tr> <tr> <td>1</td> <td>0.1</td> </tr> <tr> <td>2</td> <td>0.2</td> </tr> <tr> <td>5</td> <td>0.5</td> </tr> <tr> <td>10</td> <td>1.0</td> </tr> <tr> <td>20</td> <td>2.0</td> </tr> <tr> <td>50</td> <td>5.0</td> </tr> <tr> <td>100</td> <td>10.0</td> </tr> </tbody> </table>	Human DPP4 concentration (ng/mL)	Optical Density	0.5	0.05	1	0.1	2	0.2	5	0.5	10	1.0	20	2.0	50	5.0	100	10.0
Human DPP4 concentration (ng/mL)	Optical Density																				
0.5	0.05																				
1	0.1																				
2	0.2																				
5	0.5																				
10	1.0																				
20	2.0																				
50	5.0																				
100	10.0																				
ELISA Detection	1:1000-1:10000	Human DPP4 Detection Antibody (Biotin)																			

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

The protein encoded by this gene is identical to adenosine deaminase complexing protein-2, and to the T-cell activation antigen CD26. It is an intrinsic membrane glycoprotein and a serine exopeptidase that cleaves X-proline dipeptides from the N-terminus of polypeptides.

DPP4 (Dipeptidyl Peptidase 4) is a Protein Coding gene. Diseases associated with DPP4 include Nasopharyngitis and Mental Depression. Among its related pathways are Collagen chain trimerization and Incretin synthesis, secretion, and inactivation. GO annotations related to this gene include protein homodimerization activity and receptor binding. An important paralog of this gene is FAP.