

## Mouse DPP4 Antibody Pair Set

<b>Catalog No.</b>	E-KAB-0574	<b>Applications</b>	ELISA
<b>Synonyms</b>	ADABP;ADCP2;Adenosine Deaminase Complexing Protein 2;CD26;DPPIV;TP103		

### Kit components & Storage

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

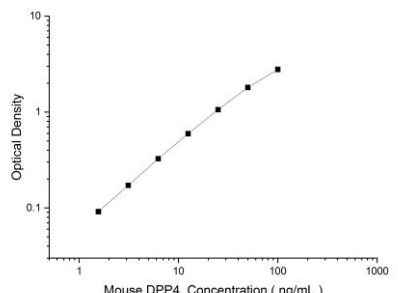
**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Product Information

Items		Characteristic (E-KAB-0574)	
		Mouse DPP4 Capture Antibody	Mouse DPP4 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse DPP4 protien	Recombinant Mouse DPP4 protien
	Swissprot	P28843	
Product details	Reactivity	Mouse	Mouse
	Host	Rat	Goat
	Conjugation	Unconjugated	Biotin
	Concentration	0.5 mg/mL	/
	Buffer	PBS with 0.04% Proclin 300; 50% glycerol; pH 7.5	PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.5
	Purify	Protein A or G	Antigen Affinity
	Specificity	Detects Mouse DPP4 in ELISAs.	

## Applications

Mouse DPP4 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																				
ELISA Capture	0.5-4 µg/mL	Mouse DPP4 Capture Antibody	 <p>The graph displays a standard curve for the Mouse DPP4 Sandwich ELISA Assay. The x-axis represents Mouse DPP4 Concentration in ng/mL on a logarithmic scale from 1 to 1000. The y-axis represents Optical Density on a logarithmic scale from 0.1 to 10. The data points form a straight line, indicating a linear relationship between the concentration of the antigen and the resulting optical density.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Mouse DPP4 Concentration (ng/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr><td>1</td><td>0.1</td></tr> <tr><td>2</td><td>0.15</td></tr> <tr><td>5</td><td>0.3</td></tr> <tr><td>10</td><td>0.4</td></tr> <tr><td>20</td><td>0.6</td></tr> <tr><td>50</td><td>1.0</td></tr> <tr><td>100</td><td>1.5</td></tr> <tr><td>200</td><td>2.5</td></tr> <tr><td>500</td><td>4.0</td></tr> </tbody> </table>	Mouse DPP4 Concentration (ng/mL)	Optical Density	1	0.1	2	0.15	5	0.3	10	0.4	20	0.6	50	1.0	100	1.5	200	2.5	500	4.0
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ELISA Detection	1:1000-1:10000	Mouse DPP4 Detection Antibody (Biotin)																					

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

## Background

Cell surface glycoprotein receptor involved in the costimulatory signal essential for T-cell receptor (TCR) - mediated T-cell activation. Acts as a positive regulator of T-cell coactivation, by binding at least ADA, CAV1, IGF2R, and PTPRC. Its binding to CAV1 and CARD11 induces T-cell proliferation and NF-kappa-B activation in a T-cell receptor/CD3-dependent manner. Its interaction with ADA also regulates lymphocyte-epithelial cell adhesion. In association with FAP is involved in the pericellular proteolysis of the extracellular matrix (ECM), the migration and invasion of endothelial cells into the ECM. May be involved in the promotion of lymphatic endothelial cells adhesion, migration and tube formation. When overexpressed, enhanced cell proliferation, a process inhibited by GPC3. Acts also as a serine exopeptidase with a dipeptidyl peptidase activity that regulates various physiological processes by cleaving peptides in the circulation, including many chemokines, mitogenic growth factors, neuropeptides and peptide hormones. Removes N-terminal dipeptides sequentially from polypeptides having unsubstituted N-termini provided that the penultimate residue is proline.