



# Anti-DPP4 monoclonal antibody, clone 266322 (DCABY-4190)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	Dipeptidyl peptidase IV (DPPIV/CD26) is a serine exopeptidase that releases Xaa-Pro dipeptides from the N-terminus of proteins and peptides. It plays an important role in T-cell costimulation, chemokine biology, type II diabetes and tumor biology. There are at least 15 DPPIV-related human genes. Some function as enzymes, including DPP8, DPP9, fibroblast activation protein (FAP), prolyl endopeptidase (PREP), and N-acylaminoacyl-peptide hydrolase (APEH) while others (DPP6/DPPX and DPP10/DPRP3) may have lost their protease properties but acquired novel functions. For example, DPP6 is a critical component of neuronal A-type K <sup>+</sup> channels.
<b>Specificity</b>	Detects mouse DPPIV/CD26 in ELISAs and Western blots. In sandwich immunoassays, no cross-reactivity or interference with recombinant mouse Cathepsin A or recombinant human DPPIV is observed.
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant mouse DPPIV/CD26. Ser29-His760 (predicted) Accession Number P28843
<b>Isotype</b>	IgG2a
<b>Source/Host</b>	Rat
<b>Species Reactivity</b>	Mouse
<b>Clone</b>	266322
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Western Blot, Immunoprecipitation, ELISA Capture (Matched Pair)

<b>Format</b>	Liquid
<b>Size</b>	500 µg
<b>Buffer</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
<b>Preservative</b>	None
<b>Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Dpp4 dipeptidylpeptidase 4 [ Mus musculus (house mouse) ]</a>
<b>Official Symbol</b>	DPP4
<b>Synonyms</b>	DPP4; dipeptidylpeptidase 4; Cd26; THAM; Dpp-4; dipeptidyl peptidase 4; DPP IV; dipeptidyl peptidase IV; thymocyte-activating molecule; T-cell activation antigen CD26;
<b>Entrez Gene ID</b>	<a href="#">13482</a>
<b>Protein Refseq</b>	<a href="#">NP_001153015</a>
<b>UniProt ID</b>	<a href="#">P28843</a>
<b>Chromosome Location</b>	2 C2-D; 2 35.85 cM
<b>Pathway</b>	Incretin synthesis, secretion, and inactivation; Metabolism of proteins; Peptide hormone metabolism; Protein digestion and absorption; Synthesis, secretion, and inactivation of Glucagon-like Peptide-1 (GLP-1); Synthesis, secretion, and inactivation of Glu
<b>Function</b>	aminopeptidase activity; collagen binding; dipeptidyl-peptidase activity; hydrolase activity; identical protein binding; peptidase activity; peptide binding; protease binding; protein homodimerization activity; receptor binding; serine-type endopeptidase