

# DPPIV (Mouse) Antibody

<b>ALTERNATE NAMES:</b>	DPP4, DPP-4, ADABP, ADCP2, ADCP-2, CD26, CD-26, DPPIV, DPPIV, TP103, TP-103
<b>CATALOG #:</b>	6694-50
<b>AMOUNT:</b>	50 µg
<b>HOST/ISOTYPE:</b>	Goat IgG
<b>IMMUNOGEN:</b>	Mouse myeloma cell line NS0-derived recombinant mouse DPPIV/CD26
<b>MOLECULAR WEIGHT:</b>	~110 kDa
<b>PURIFICATION:</b>	Antigen affinity purified
<b>FORM:</b>	Liquid
<b>FORMULATION:</b>	0.2 mg/ml in PBS
<b>SPECIES REACTIVITY:</b>	Mouse
<b>STORAGE CONDITIONS:</b>	Stable at -20 to -80°C. Avoid multiple freeze thaw cycles.

**DESCRIPTION:** Dipeptidyl peptidase-IV (DPPIV), also known as adenosine deaminase complexing protein 2, DPPIV or CD26 is antigenic enzyme expressed on the surface of most cell types and is associated with immune regulation, signal transduction and apoptosis. It is an intrinsic membrane glycoprotein and a serine exopeptidase that cleaves X-proline dipeptides from the N-terminus of polypeptides. The substrates of DPPIV are proline (or alanine)-containing peptides and include growth factors, chemokines, neuropeptides, and vasoactive peptides. DPPIV plays a major role in glucose metabolism. It is responsible for the degradation of incretins such as GLP-1. DPPIV 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. DPPIV also binds the enzyme adenosine deaminase specifically and with high affinity. The significance of this interaction has yet to be established.

<b>APPLICATION:</b>	WB: 0.1 µg/ml, IHC: 5-15 µg/ml
<b>SPECIFICITY:</b>	In Western Blots approximately 40% cross reactivity with human DPPIV/CD26 is observed.

**Note:** This information is only intended as a guide. The optimal dilutions must be determined by the user.

## RELATED PRODUCTS:

- DPPIV (Human) Antibody (**Cat. No. 6693-50**)
- Dipeptidyl Peptidase IV, Human Placenta (**Cat. No. 4709-10**)
- Dipeptidylpeptidase IV, human recombinant (**Cat. No. 4710-10, -50, -1000**)
- DPP4 Activity Fluorometric Assay Kit (**Cat. No. K779-00**)
- DPP4 Inhibitor Screening Kit (Fluorometric) (**Cat. No. K780-100**)
- DPP IV/CD26 (human) ELISA Kit (**Cat. No. K4801-100**)
- DPP IV/CD26 (mouse) ELISA Kit (**Cat. No. K4770-100**)
- DPP IV Inhibitor, K 579 (**Cat. No. 1963-1, -5**)
- DPP IV Inhibitor, NVP DPP 728 (**Cat. No. 1964-1, -5**)
- DPPIV Inhibitor, P32/98 (**Cat. No. 2571-1, -5**)
- Sitagliptin Phosphate Monohydrate (**Cat. No. 1757-100, -1G**)
- Linagliptin (**Cat. No. 2240-50, -250**)
- Vildagliptin (**Cat. No. 2188-10, -50**)

**FOR RESEARCH USE ONLY! Not to be used on humans.**