

Human CD26-hIgG1

Cat No.: 03-01-0284

Product Name: Human CD26-hIgG1

Description: CD26, also known as Dipeptidyl peptidase-4 (DPP4), is 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. As a cell surface glycoprotein receptor, CD26 is involved in the costimulatory signal essential for T-cell receptor (TCR)-mediated T-cell activation. It 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. When overexpressed, enhanced cell proliferation, a process inhibited by GPC3. CD26/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. CD26 also serves as the receptor for Middle East Respiratory Syndrome Coronavirus (MERS-CoV).

Type:	Protein
Property:	Recombinant Protein
Source:	HEK293
Genbank No.:	P27487 (aa.29-766)
Applications:	ELISA, WB, Immunogen
Formulation:	Each vial contains 50ug purified protein(1mg/ml) in PBS(pH7.4).
Purity:	>95%
Storage:	Store at -80°C, Avoid freeze / thaw cycle.
Limitation:	For research use only, not for use in diagnostic procedures.