



Anti-DPP4 monoclonal antibody, clone 347.4 (DCABH-1045)

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

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to CD26
Antigen Description	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.
Immunogen	Full length Rat CD26 protein (110-120 kD).
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Rat, Human
Clone	347.4
Conjugate	Unconjugated
Applications	ICC/IF, IP, Flow Cyt, IHC-Fr

Format	Liquid
Size	500 µg
Buffer	Constituent: 99% PBS
Preservative	None
Storage	Store at -20°C.

GENE INFORMATION

Gene Name	Dpp4 dipeptidylpeptidase 4 [Rattus norvegicus]
Official Symbol	DPP4
Synonyms	DPP4; dipeptidylpeptidase 4; dipeptidyl peptidase 4; DPP IV; GP110 glycoprotein; dipeptidyl peptidase IV; T-cell activation antigen CD26; bile canaliculus domain-specific membrane glycoprotein; CD26; DPPIV;
Entrez Gene ID	25253
Protein Refseq	NP_036921
UniProt ID	P14740
Pathway	Incretin Synthesis, Secretion, and Inactivation, organism-specific biosystem; Integration of energy metabolism, organism-specific biosystem; Metabolism, organism-specific biosystem; Protein digestion and absorption, organism-specific biosystem; Protein digestion and absorption, conserved biosystem; Regulation of Insulin Secretion, organism-specific biosystem; Synthesis, Secretion, and Inactivation of Glucagon-like Peptide-1 (GLP-1), organism-specific biosystem;
Function	aminopeptidase activity; collagen binding; dipeptidyl-peptidase activity; dipeptidyl-peptidase activity; dipeptidyl-peptidase activity; dipeptidyl-peptidase activity; dipeptidyl-peptidase activity; peptidase activity; peptide binding; protease binding; pr