



Anti-DPP4 monoclonal antibody, clone M-A261 (CABT-45828MH)

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

PRODUCT INFORMATION

Product Overview

Mouse anti Human CD26 antibody, clone M-A261, recognizes human Dipeptidyl peptidase 4, also known as Adenosine deaminase complexing protein 2, CD26, TP103, ADABP or DPP IV. CD26 is a 766 amino acid ~110kDa single pass type II transmembrane glycoprotein expressed by activated T cells, B cells and macrophages. A soluble form of CD26 can be derived by cleavage of the membrane bound form between residues 38-39 (Uniprot: 27487). CD26 acts as a functional receptor for the pathogenic Middle East respiratory syndrome coronavirus [MERS-CoV], a severe and frequently fatal disease in humans and marmosets sharing identical CD26 sequence at the site of interaction with the MERS-CoV spike protein. Mouse anti Human CD26 antibody, clone M-A261 has been used successfully for the immunohistochemical detection of CD26 on formalin fixed, paraffin embedded tissues and the demonstration of elevated CD26 expression in thyroid neoplasia. Mouse anti Human CD26 antibody, clone M-A261 has also been used for the immunohistochemical detection of CD26 on cryostat sections using both immunoperoxidase and immunofluorescence staining in liver biopsies from NASH patients. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells or 100ul whole blood

Specificity	DPP4
Immunogen	Human T-cell leukaemia cells (T-CLL)
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	M-A261
Conjugate	Unconjugated
Applications	IHC-Fr; FC; IP
Format	Purified IgG - liquid
Size	200 µg
Preservative	Preservative Stabilisers

Storage	in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Warnings	For research purposes only

GENE INFORMATION

Gene Name	DPP4 dipeptidyl-peptidase 4 [Homo sapiens (human)]
Official Symbol	DPP4
Synonyms	DPP4; dipeptidyl-peptidase 4; CD26; ADABP; ADCP2; DPPIV; TP103; dipeptidyl peptidase 4; ADCP-2; DPP IV; dipeptidylpeptidase 4; dipeptidyl peptidase IV; T-cell activation antigen CD26; adenosine deaminase complexing protein 2; dipeptidylpeptidase IV (CD26,
Entrez Gene ID	1803
mRNA Refseq	NM_001935
Protein Refseq	NP_001926
MIM	102720
UniProt ID	27487
Chromosome Location	2q24.3
Pathway	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 Glucose-dependent Insulinotropic Polypeptide (GIP);
Function	dipeptidyl-peptidase activity; identical protein binding; protease binding; protein binding; protein homodimerization activity; receptor binding; serine-type endopeptidase activity; serine-type peptidase activity;