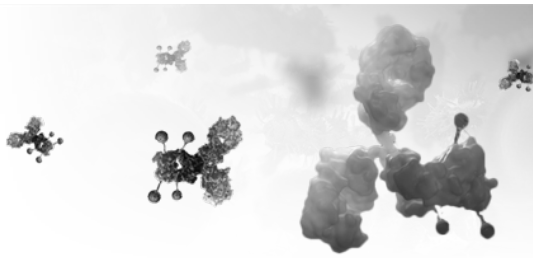

Anti-DPP4 monoclonal antibody, clone H207-1082 (CABT-45841RM)

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

PRODUCT INFORMATION

Product Overview	Rat anti Mouse CD26 antibody, clone H207-1082 recognizes mouse CD26, which is also known as thymocyte-activating molecule (THAM). Murine CD26 is a type II integral membrane dipeptidyl-peptidase that is expressed at the cell surface as a heterodimer, of approximately 220 kDa, and has a soluble form in the plasma. The CD26 molecule is a multifunctional glycoprotein that has ectopeptidase activity and is also reported to be involved in cell adhesion, signal transduction in T lymphocytes and HIV infection. CD26 is differentially expressed on developing thymocytes and is upregulated on activated T-cells but is not expressed on resting and thioglycollate stimulated macrophages. Expression of CD26 has also been reported on cells from a variety of non-haematopoietic tissues including liver, intestine and kidney. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells in 100ul.
Specificity	DPP4
Isotype	IgG2a
Source/Host	Rat
Species Reactivity	Mouse
Clone	H207-1082
Conjugate	Unconjugated
Applications	ELISA; FC
Format	Purified IgG - liquid
Size	250 µg
Preservative	0.09% Sodium Azide

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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.

GENE INFORMATION

Gene Name	Dpp4 dipeptidylpeptidase 4 [Mus musculus (house mouse)]
Official Symbol	DPP4
Synonyms	DPP4; dipeptidylpeptidase 4; Cd26; THAM; Dpp-4; dipeptidyl peptidase 4; DPP IV; dipeptidyl peptidase IV; thymocyte-activating molecule; T-cell activation antigen CD26;
Entrez Gene ID	13482
Protein Refseq	NP_001153015
UniProt ID	P28843
Chromosome Location	2 C2-D; 2 35.85 cM
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	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 activity; serine-type peptidase activity;

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