



Anti-DPP4 monoclonal antibody, clone H207-1082 [R-PE] (CABT-45844RM)

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. The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity Fc receptors.

Specificity	DPP4
Isotype	IgG2a
Source/Host	Rat
Species Reactivity	Mouse
Clone	H207-1082
Conjugate	PE
Applications	FC
Format	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised
Size	100 tests

Preservative	0.09% Sodium Azide
Storage	Store at +4°C. DO NOT FREEZE This product should be stored undiluted. This product is photosensitive and should be protected from light. 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;