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SM2264B Monoclonal Antibody to CD26 / DPP4 - Biotin

Alternate names: ADABP, ADCP2, Adenosine deaminase complexing protein 2, DPP IV, Dipeptidyl peptidase 4, Dipeptidyl peptidase IV, T-cell activation antigen CD26, TP103

Quantity: 0.1 mg

Concentration: 0.1 mg/ml

Background: 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.

Uniprot ID: P28843

NCBI: NP_001153015.1

GeneID: 13482

Host / Isotype: Rat / IgG2a

Clone: H207-1082

Format:
State: Liquid purified IgG
Purification: Affinity chromatography on Protein G
Buffer System: PBS, pH7.4 containing 0.09% Sodium Azide and 1% Bovine Serum Albumin
Label: Biotin

Applications: Flow Cytometry: The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity fc receptors.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This antibody recognises CD26, which is also known as thymocyte-activating molecule (THAM).
Species: Mouse.
Other species not tested.

Storage: Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General Readings:
1. Vivier I, Marguet D, Naquet P, Bonicel J, Black D, Li CX, et al. Evidence that thymocyte-activating molecule is mouse CD26 (dipeptidyl peptidase IV). J Immunol. 1991 Jul 15;147(2):447-54. PubMed PMID: 1712807.