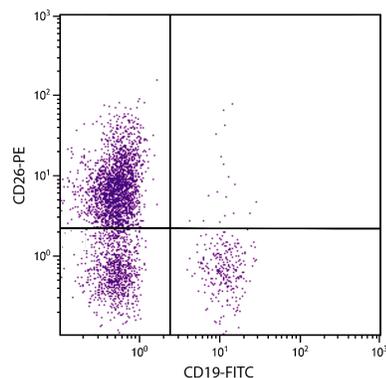




Mouse Anti-Human CD26

| Cat. No. | Format | Size |
|----------|----------------------|-----------|
| 9865-01 | Purified (UNLB) | 0.1 mg |
| 9865-02 | Fluorescein (FITC) | 100 tests |
| 9865-09 | R-phycoerythrin (PE) | 100 tests |



Human peripheral blood lymphocytes were stained with Mouse Anti-Human CD26-PE (SB Cat. No. 9865-09) and Mouse Anti-Human CD19-FITC (SB Cat. No. 9340-02).

Overview

| | |
|--------------------------|------------------------------------------------------------------------------|
| Clone | 134-2C2 |
| Isotype | Mouse (BALB/c) IgM κ |
| Immunogen | CD3 activated human peripheral blood mononuclear cells |
| Specificity | Human CD26; Mr 110 kDa |
| Alternate Name(s) | EC 3.4.14.5, ADA-binding protein, DPP IV ectoenzyme, dipeptidyl peptidase IV |
| Workshop | IV A24 |

Description

CD26, also known as dipeptidyl peptidase (DPP IV), is a 110 kDa type II integral membrane glycoprotein that is primarily expressed by CD3⁺ medullary thymocytes and peripheral T cells. CD26 is serine protease that is also associated with T cell activation and proliferation, cell to cell adhesion, and HIV infection.

Applications

FC – Quality tested ¹
 IP – Reported in literature ^{1,3}
 Costim – Reported in literature ^{1,2}

Working Dilutions

| | | |
|-----------------------|-----------------------------------------------------------------------------------------------------|---------------------------------|
| Flow Cytometry | Purified (UNLB) antibody | $\leq 1 \mu\text{g}/10^6$ cells |
| | FITC and PE conjugates | $10 \mu\text{L}/10^6$ cells |
| | For flow cytometry, the suggested use of these reagents is in a final volume of 100 μL . | |

Other Applications Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.

For Research Use Only. Not for Diagnostic or Therapeutic Use.

Handling and Storage

- The purified (UNLB) antibody is supplied as 0.1 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.* Store at 2-8°C.
- The fluorescein (FITC) conjugate is supplied as 100 tests in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The R-phycoerythrin (PE) conjugate is supplied as 100 tests in 1.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- Protect fluorochrome-conjugated forms from light. Reagents are stable for the period shown on the label if stored as directed.

Warning

Some reagents contain sodium azide. Please refer to product specific (M)SDS.

References

1. Plana N, Viñas O, Romero M, Vilella R, Vives J. The monoclonal antibody 134-2C2 recognizes a 120-kDa (CD26) protein and increases the PMA- and rIL-2-induced proliferation of T-lymphocytes. In: Knapp W, Dörken B, Gilks WR, Rieber EP, Schmidt RE, Stein H, et al, editors. *Leukocyte Typing IV: White Cell Differentiation Antigens*. Oxford: Oxford University Press; 1989. p. 417-8. (Immunogen, IP, FC, Costim)
2. Muñoz E, Blazquez MV, Madueño JA, Rubio G, Peña J. CD26 induces T-cell proliferation by tyrosine protein phosphorylation. *Immunology*. 1992;77:43-50. (Costim)
3. Juan M, Vilella R, Mila J, Yagüe J, Miralles A, Campbell KS, et al. CDw50 and ICAM-3: two names for the same molecule. *Eur J Immunol*. 1993;23:1508-12. (IP)