TECHNICAL DATA SHEET

CyFlow™ CD26 APC
Anti-Hu; Clone BA5b

REF **AP029195**

For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	CD26
Alternative Names	ADABP, ADCP2, CD26, DPPIV, TP103
Clone	BA5b
Clonality	monoclonal
Format	APC
Host / Isotype	Mouse / IgG2a
Species Reactivity	Human
Negative Species Reactivity	—
Quantity	100 tests
Immunogen	A human T cell clone

Specificity

The mouse monoclonal antibody BA5b recognizes CD26, a 110 kDa type II membrane glycoprotein, which is a peptidase expressed on mature thymocytes, T cells (especially activated), B cells, NK cells and macrophages.

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Application

The reagent is designed for Flow Cytometry analysis of human blood cells. Recommended usage is 10 µl reagent / 100 µl of whole blood or 10^6 cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.

Other usages may be determined from the scientific literature.

Storage Buffer

The reagent is provided in stabilizing phosphate buffered saline (PBS) solution, pH ≈7.4, containing 0.1% (w/v) sodium azide.

Storage and Stability

Storage	Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze.
Stability	Do not use after expiration date stamped on vial label.

Background Information

CD26 (DPP-IV; dipeptidyl peptidase IV) is a homodimeric cell surface serine peptidase that degradates IFN-γ-induced cytokines, acts as a T cell costimulatory molecule, and participates in multiple immunopathological roles in leukocyte homing and inflammation. Alterations in its peptidase activity are characteristic of malignant transformation. The enzymatic activity increases dramatically with tumor grade and severity. CD26 is expressed in various blood cell types, but also e.g. in cells that are histogenetically related to activated fibroblasts. Alterations in CD26 density have been reported on circulating monocytes and CD4+ T cells during rheumatoid arthritis and systemic lupus erythematosus.

References

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The Safety Data Sheet for this product is available at www.sysmex-partec.com/services.

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