TECHNICAL DATA SHEET

CyFlow™ CK-18 FITC
Anti-Hu; Clone DC-10

REF **AH304191**

For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	Cytokeratin 18
Alternative Names	—
Clone	DC-10
Clonality	monoclonal
Format	FITC
Host / Isotype	Mouse / IgG1
Species Reactivity	Human
Negative Species Reactivity	Mouse | Rat | Pig | Cow | Sheep | Dog | Hamster
Quantity [Concentration]	0.1 mg [0.1 mg/ml]
Immunogen	Human breast carcinoma cell line PMC-42

Specificity

The mouse monoclonal antibody DC-10 recognizes Cytokeratin 18 (45 kDa). Cytokeratins are a member of intermediate filaments subfamily represented in epithelial tissues.

Contact Information:

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Application

The reagent is designed for Flow Cytometry analysis. Suggested working usage is 7.5 µg/ml. Indicated dilution is recommended starting point for use of this product, but working concentrations should be validated by the investigator.
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

Cytokeratins are a subfamily of intermediate filaments and characterized by remarkable biochemical diversity. Cytokeratins are represented in epithelial tissues by at least 20 different polypeptides, molecular weight between 40 kDa and 68 kDa. The individual cytokeratin polypeptides are designated 1 to 20 and divided into the type I (acidic cytokeratins 9-20) and type II (basic to neutral cytokeratins 1-8) families. Cytokeratin 18 belongs to type I family (acidic cytokeratins).

References

- Kovarik J, Rejthar A, Lauerova L, Vojtesek B, Bartkova J: Monoclonal antibodies against individual cytokeratins in the detection of metastatic spread. Int J Cancer Suppl. 1988; 3:50-5. < PMID: 2463228 >
- Lauerova L, Kovarik J, Bartek J, Rejthar A, Vojtesek B: Novel monoclonal antibodies defining epitope of human cytokeratin 18 molecule. Hybridoma. 1988 Oct; 7(5):495-504. < PMID: 2461901 >
- Vojtěsek B, Stasková Z, Nenutil R, Lauerová L, Kovarík J, Rejthar A, Bártková J, Bártek J.: Monoclonal antibodies recognizing different epitopes of cytokeratin No.18. Folia Biol (Praha). 1989; 35(6):373-82. < PMID: 2483834 >

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

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