TECHNICAL DATA SHEET

CyFlow™ CK-19 Alexa Fluor™ 488
Anti-Hu; Clone A53-B/A2

REF **BF824641**

For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	Cytokeratin 19
Alternative Names	—
Clone	A53-B/A2
Clonality	monoclonal
Format	Alexa Fluor™ 488
Host / Isotype	Mouse / IgG2a
Species Reactivity	Human
Negative Species Reactivity	—
Quantity [Concentration]	0.1 mg [0.1 mg/ml]
Immunogen	MCF-7 human breast adenocarcinoma cell line

Specificity

The mouse monoclonal antibody A53-B/A2 recognizes Rod domain of cytokeratin 19 (40 kDa) in human tissue. Cytokeratin 19 is not expressed in hepatocytes; it is often co-expressed with cytokeratin 7.

Contact Information:

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Application

The reagent is designed for Flow Cytometry analysis. Suggested working usage is 10 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.

References

- Karsten U, Papsdorf G, Roloff G, Stolley P, Abel H, Walther I, Weiss H: Monoclonal anti-cytokeratin antibody from a hybridoma clone generated by electrofusion. Eur J Cancer Clin Oncol. 1985 Jun; 21(6):733-40. < PMID: 2410280 >
- Bártek J, Bártková J, Taylor-Papadimitriou J, Rejthar A, Kovarík J, Lukás Z, Vojtěsek B: Differential expression of keratin 19 in normal human epithelial tissues revealed by monospecific monoclonal antibodies. Histochem J. 1986 Oct; 18(10):565-75. < PMID: 2433255 >
- Kasper M, Moll R, Stosiek P, Karsten U: Patterns of cytokeratin and vimentin expression in the human eye. Histochemistry. 1988; 89(4):369-77. < PMID: 2457569 >

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

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