

TECHNICAL DATA SHEET

CyFlow™ CK-19 Purified Anti-Hu; Clone BA-17

REF CH089732

For Research Use Only.
Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	Cytokeratin 19
Alternative Names	—
Clone	BA-17
Clonality	monoclonal
Format	Purified
Host / Isotype	Mouse / IgG1
Species Reactivity	Human
Negative Species Reactivity	—
Quantity [Concentration]	0.1 mg [1 mg/ml]
Immunogen	Mammary organoids

Specificity

The mouse monoclonal antibody BA-17 recognizes cytokeratin 19 in human tissue. Cytokeratin 19 (40 kDa) is not expressed in hepatocytes; it is often co-expressed with cytokeratin 7.

Contact Information:

Sysmex Partec GmbH • Am Flugplatz 13 • 02828 Görlitz • Germany
Tel +49 3581 8746 0 • Fax +49 3581 8746 70 • E-mail: info@sysmex-partec.com

Application

Based on published sources, this antibody is suitable for the following applications:

- Flow cytometry
- Immunoprecipitation
- Western blot
- Immunohistochemistry (paraffin-embedded sections)
- Immunocytochemistry

Storage Buffer

The reagent is provided in phosphate buffered saline (PBS) solution, pH $\approx$ 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

- Bartek J, Durban EM, Hallowes RC, Taylor-Papadimitriou J: A subclass of luminal epithelial cells in the human mammary gland, defined by antibodies to cytokeratins. J Cell Sci. 1985 Apr; 75:17-33. < PMID: 2413060 >
- Bartek J, Taylor-Papadimitriou J, Miller N, Millis R: Patterns of expression of keratin 19 as detected with monoclonal antibodies in human breast tissues and tumours. Int J Cancer. 1985 Sep 15; 36(3):299-306. < PMID: 2411673 >
- Lewis BC, Klimstra DS, Varmus HE: The c-myc and PyMT oncogenes induce different tumor types in a somatic mouse model for pancreatic cancer. Genes Dev. 2003 Dec 15; 17(24):3127-38. < PMID: 14681205 >

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

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