

## TECHNICAL DATA SHEET

### CyFlow™ CK-19 Biotin Anti-Hu; Clone BA-17

**REF** CN002521

**For Research Use Only.**

**Not for use in diagnostic or therapeutic procedures.**

### Specifications

<b>Antigen</b>	Cytokeratin 19
<b>Alternative Names</b>	—
<b>Clone</b>	BA-17
<b>Clonality</b>	monoclonal
<b>Format</b>	Biotin
<b>Host / Isotype</b>	Mouse / IgG1
<b>Species Reactivity</b>	Human
<b>Negative Species Reactivity</b>	—
<b>Quantity [Concentration]</b>	0.1 mg [ 1 mg/ml ]
<b>Immunogen</b>	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:

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## Application

The reagent is designed for Western blotting. Suggested working usage is 2 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 phosphate buffered saline (PBS) solution, pH ≈7.4, containing 0.1% (w/v) sodium azide.

## Storage and Stability

<b>Storage</b>	Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze.
<b>Stability</b>	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](http://www.sysmex-partec.com/services).

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