

## TECHNICAL DATA SHEET

### CyFlow™ CK-Pan Purified Clone C-11

**REF** BA111233

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

### Specifications

|                                    |                                                                             |
|------------------------------------|-----------------------------------------------------------------------------|
| <b>Antigen</b>                     | Cytokeratin (Pan-reactive)                                                  |
| <b>Alternative Names</b>           | —                                                                           |
| <b>Clone</b>                       | C-11                                                                        |
| <b>Clonality</b>                   | monoclonal                                                                  |
| <b>Format</b>                      | Purified                                                                    |
| <b>Host / Isotype</b>              | Mouse / IgG1                                                                |
| <b>Species Reactivity</b>          | Mammalian                                                                   |
| <b>Negative Species Reactivity</b> | —                                                                           |
| <b>Quantity [Concentration]</b>    | 0.1 mg [ 1 mg/ml ]                                                          |
| <b>Immunogen</b>                   | Keratin-enriched preparation from human epidermoid carcinoma cell line A431 |

### Specificity

The mouse monoclonal antibody C-11 recognizes Cytokeratin peptides 4, 5, 6, 8, 10, 13, 18. Cytokeratins are a member of intermediate filaments subfamily represented in epithelial tissues.

#### 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](mailto: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

|                  |                                                                               |
|------------------|-------------------------------------------------------------------------------|
| <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

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- Bartek J, Vojtesek B, Staskova Z, Bartkova J, Kerekes Z, Rejthar A, Kovarik J: A series of 14 new monoclonal antibodies to keratins: characterization and value in diagnostic histopathology. J Pathol. 1991 Jul; 164(3):215-24. < PMID: 1716305 >

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- Hamakawa H, Sumida T, Tanioka H, Sogawa K, Yamada T: Extraction of cytokeratin from the human submandibular gland and its electrophoretic analysis. Res Commun Mol Pathol Pharmacol. 1998 Aug; 101(2):115-26. < PMID: 9821208 >
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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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