

TECHNICAL DATA SHEET

CyFlow™ CK-18 Purified Clone C-04

REF CR621223

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

Specifications

Antigen	Cytokeratin 18
Alternative Names	—
Clone	C-04
Clonality	monoclonal
Format	Purified
Host / Isotype	Mouse / IgG1
Species Reactivity	Mammalian
Negative Species Reactivity	—
Quantity [Concentration]	0.1 mg [1 mg/ml]
Immunogen	Cytoskeleton preparation of epidermal carcinoma cell line A431

Specificity

The mouse monoclonal antibody C-04 recognizes Cytokeratin 18, a 45 kDa member of intermediate filaments subfamily represented in epithelial tissues.

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Application

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

- Flow cytometry
- Immunoprecipitation
- Western blot
- Immunohistochemistry (paraffin-embedded sections)
- Immunocytochemistry
- Enzyme-linked immunosorbent assay

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. Cytokeratin 18 belongs to type I family (acidic cytokeratins).

References

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- Cap J, Cerman J, Nemecek S, Marekova M, Hana V, Frysak Z: The influence of treatment with somatostatin analogues on morphology, proliferative and apoptotic activity in GH-secreting pituitary adenomas. J Clin Neurosci. 2003 Jul; 10(4):444-8. < PMID: 12852883 >

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

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