

TECHNICAL DATA SHEET

CyFlow™ CK-18 Alexa Fluor™ 488 Clone C-04

REF AP635076



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For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	Cytokeratin 18
Alternative Names	—
Clone	C-04
Clonality	monoclonal
Format	Alexa Fluor™ 488
Host / Isotype	Mouse / IgG1
Species Reactivity	Mammalian
Negative Species Reactivity	—
Quantity [Concentration]	0.1 mg [0.1 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.

Application

The reagent is designed for flow cytometry analysis. Working concentrations should be determined 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 \approx 7.4, containing 0.09% (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).

Warnings

Non-Hazardous Statement: This is not considered hazardous by the criteria in 29 CFR 1910.1200 or the General Classification guideline for preparations of the EU.











Safety Data Sheet Statement: Important information regarding the safe handling, transport, and disposal of this product is contained in the Safety Data Sheet (SDS). SDS are available at <http://www.sysmex-partec.com/services>, or at <https://us.sysmex-flowcytometry.com/> (U.S. customers only).

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 >

Symbols

 REF	Reference number		Contains sufficient for <n> tests
 RUO	For research use only		Temperature limit
 LOT	Batch code		Keep away from sunlight
	Manufacturer		Consult accompanying documents
	Use-by date		Unique device identifier

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