

TECHNICAL DATA SHEET

CyFlow™ CK-Pan Alexa Fluor™ 488 Clone C-11

REF BW538693

For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	Cytokeratin (Pan-reactive)
Alternative Names	—
Clone	C-11
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	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.

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Application

The reagent is designed for Flow Cytometry analysis. Suggested working usage is 10 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 stabilizing phosphate buffered saline (PBS) solution, pH ≈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

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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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