

Monoclonal Antibody to Cytokeratin 18 - FITC

Alternate names:	CK18, CYK18, Cell proliferation-inducing gene 46 protein, Cytokeratin-18, K18, KRT18, Keratin 18, Keratin type I cytoskeletal 18, Keratin-18
Catalog No.:	SM1360F
Quantity:	0.1 mg
Concentration:	0.1 mg/ml
Background:	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).
Uniprot ID:	P05783
NCBI:	NP_000215.1
GeneID:	3875
Host / Isotype:	Mouse / IgG1
Clone:	DC-10
Immunogen:	Human breast carcinoma cell line PMC-42.
Format:	State: Liquid purified Ig fraction. Purification: Protein A Chromatography Buffer System: PBS containing 15 mM Sodium Azide as preservative and 0.2% (w/v) high-grade BSA (Protease free) as a stabilizing agent. Label: FITC – Fluorescein isothiocyanate under optimum conditions. Reagent is free of unconjugated
Applications:	Flow Cytometry Analysis and Immunofluorescence (5-10 µg/ml). This Monoclonal antibody is reported to work in Immunohistochemistry on Paraffin Sections. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	The antibody DC-10 reacts with Cytokeratin 18 (45 kDa). Cytokeratins are a member of intermediate filaments subfamily represented in epithelial tissues.
Species Reactivity:	Tested: Human. Negative with: Porcine, Mouse, Rat, Hamster, Bovine, Sheep and Canine (Dog).

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com

Storage:

Store the antibody at 2-8°C.

DO NOT FREEZE!

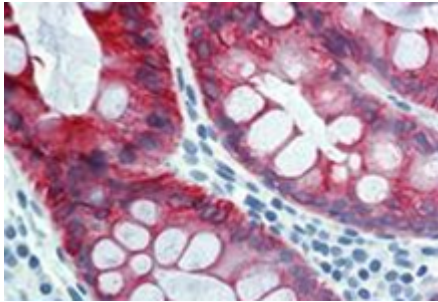
This product is photosensitive and should be protected from light.

Shelf life: one year from despatch.

General References:

1. Lauerova L, Kovarik J, Bartek J, Rejthar A, Vojtesek B.: Novel monoclonal antibodies defining epitope of human cytokeratin 18 molecule. *Hybridoma*. 1988 Oct;7(5):495-504.
2. Kovarik J, Rejthar A, Lauerova L, Vojtesek B, Bartkova J.: Monoclonal antibodies against individual cytokeratins in the detection of metastatic spread. *Int J Cancer Suppl*. 1988;3:50-5.
3. Vojtesek B, Staskova Z, Nenutil R, Lauerova L, Kovarik J, Rejthar A, Bartkova J, Bartek J.: Monoclonal antibodies recognizing different epitopes of cytokeratin No.18. *Folia Biol (Praha)*. 1989;35(6):373-82.

Pictures:



Immunohistochemistry staining of human colon (paraffin sections) using anti-cytokeratin 18 (clone DC-10).

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