

Datasheet for ABIN302009

anti-Cytokeratin 18 antibody (FITC)

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Overview

Quantity:	100 µg
Target:	Cytokeratin 18 (KRT18)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Cytokeratin 18 antibody is conjugated to FITC
Application:	Intracellular Flow Cytometry (ICFC)

Product Details

Purpose:	Anti-Cytokeratin 18 FITC
Immunogen:	Human breast carcinoma cell line PMC-42.
Clone:	DC-10
Isotype:	IgG1
Specificity:	The mouse monoclonal antibody DC-10 reacts with cytokeratin 18 (45 kDa). Cytokeratins are members of intermediate filaments subfamily of intracellular proteins, represented in epithelial tissues.
No Cross-Reactivity:	Cow, Dog, Hamster, Mouse, Pig, Rat, Sheep
Cross-Reactivity (Details):	Human
Purification:	Purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion

Product Details

chromatography.

Target Details

Target:	Cytokeratin 18 (KRT18)
Alternative Name:	Cytokeratin 18 (KRT18 Products)
Background:	Keratin 18,Cytokeratins are a subfamily of intermediate filaments and are characterized by remarkable biochemical diversity. They 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).,K18, CK18, CYK18, KRT18
Gene ID:	3875
UniProt:	P05783
Pathways:	Apoptosis , Caspase Cascade in Apoptosis

Application Details

Application Notes:	Flow cytometry: Recommended dilution: 1-5 µg/mL. Intracellular staining.
Restrictions:	For Research Use only

Handling

Concentration:	0.1 mg/mL
Buffer:	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Do not freeze. Avoid prolonged exposure to light.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

Publications

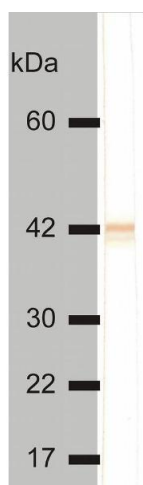
Product cited in: Vojtšek, Stasková, Nenutil, Lauerová, Kovarik, Rejthar, Bárteková, Bártek: "Monoclonal antibodies recognizing different epitopes of cytokeratin No.18." in: **Folia biologica**, Vol. 35, Issue 6, pp. 373-82, (1990) ([PubMed](#)).

Kovarik, Rejthar, Lauerová, Vojtšek, Bárteková: "Monoclonal antibodies against individual cytokeratins in the detection of metastatic spread." in: **International journal of cancer**.

Supplement = Journal international du cancer. Supplement, Vol. 3, pp. 50-5, (1989) ([PubMed](#)).

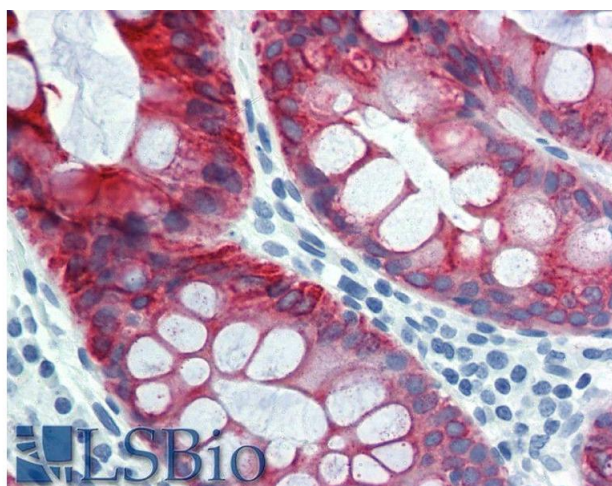
Lauerová, Kovarik, Bártek, Rejthar, Vojtšek: "Novel monoclonal antibodies defining epitope of human cytokeratin 18 molecule." in: **Hybridoma**, Vol. 7, Issue 5, pp. 495-504, (1989) ([PubMed](#)).

Images



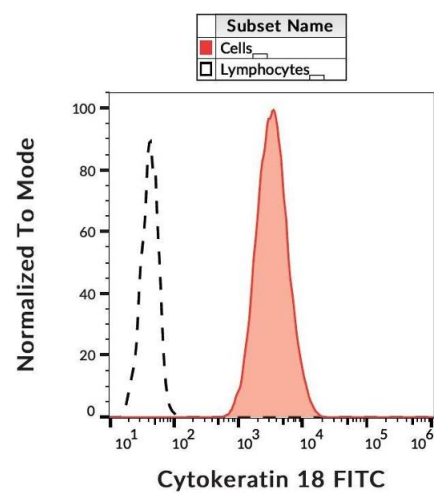
Western Blotting

Image 1. Detection of cytokeratin 18 in HeLa cell lysate by mouse monoclonal antibody DC-10.



Immunohistochemistry

Image 2. Immunohistochemistry staining of human colon (paraffin sections) using anti-cytokeratin 18 (clone).



Flow Cytometry

Image 3. Intracellular staining of HeLa cells with anti-cytokeratin 18 (DC-10) FITC.