

KRT18 monoclonal antibody, clone DC-10 (FITC)

Catalog # MAB5135 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against native KRT18.
Immunogen	Native purified KRT18 from human breast carcinoma cell line PMC-42.
Host	Mouse
Theoretical MW (kDa)	45
Reactivity	Human
Specificity	This antibody reacts with Cytokeratin 18 (45 KDa).
Form	Liquid
Conjugation	FITC
Concentration	0.1 mg/mL
Isotype	IgG1
Recommend Usage	Flow Cytometry (5-10 ug/mL) Immunofluorescence(5-10 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.2% BSA, 0.09% sodium azide)
Storage Instruction	Store in the dark at 4°C. Do not freeze. Avoid prolonged exposure to light. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunofluorescence

- Flow Cytometry

Gene Info — KRT18

Entrez GeneID	3875
Gene Name	KRT18
Gene Alias	CYK18, K18
Gene Description	keratin 18
Omim ID	148070 215600
Gene Ontology	Hyperlink
Gene Summary	KRT18 encodes the type I intermediate filament chain keratin 18. Keratin 18, together with its filament partner keratin 8, are perhaps the most commonly found members of the intermediate filament gene family. They are expressed in single layer epithelial tissues of the body. Mutations in this gene have been linked to cryptogenic cirrhosis. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]
Other Designations	cell proliferation-inducing protein 46 cytokeratin 18

Publication Reference

- [Monoclonal antibodies recognizing different epitopes of cytokeratin No.18.](#)

Vojtesek B, Staskova Z, Nenutil R, Lauerova L, Kovarik J, Rejthar A, Bartkova J, Bartek J.
Folia Biol (Praha) 1989 Jan; 35(6):373.

- [Novel monoclonal antibodies defining epitope of human cytokeratin 18 molecule.](#)

Lauerova L, Kovarik J, Bartek J, Rejthar A, Vojtesek B.
Hybridoma 1988 Oct; 7(5):495.

Application: IF, IHC-P, WB, Human, BT20 cells, Kidney, Liver, Lung, Oesophagus, Skin, Spleen, Stomach, Tongue

- [Monoclonal antibodies against individual cytokeratins in the detection of metastatic spread.](#)

Kovarik J, Rejthar A, Lauerova L, Vojtesek B, Bartkova J.
International Journal of Cancer. Supplement 1988 Jan; 3:50.

Pathway

- [Pathogenic Escherichia coli infection - EHEC](#)

Disease

- [Cleft Lip](#)
- [Cleft Palate](#)
- [Drug-Induced Liver Injury](#)
- [Genetic Predisposition to Disease](#)
- [Liver Cirrhosis](#)
- [Liver Failure](#)