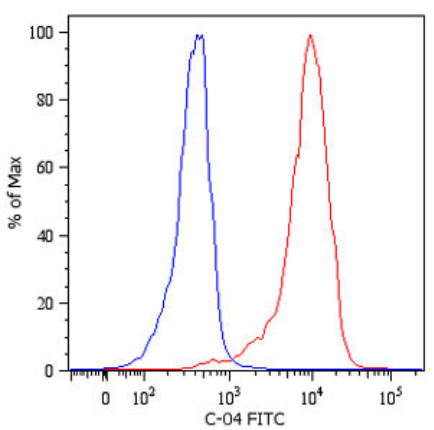
KRT18 monoclonal antibody, clone C-04 (FITC)

Catalog # MAB4565 Size 100 ug

Applications



Flow Cytometry

Intracellular flow cytometry analysis of KRT18 expression in HeLa (human cervix carcinoma cell line) using KRT18 monoclonal antibody, clone C-04 (FITC) (Cat # MAB4565).
Overlay with Isotype mouse IgG1 control.

Specification

Product Description	Mouse monoclonal antibody raised against native KRT18.
Immunogen	Native purified KRT18 from cytoskeleton of epidermal carcinoma cell line A431.
Host	Mouse
Theoretical MW (kDa)	45
Reactivity	Human, Mammals
Specificity	This antibody reacts with Cytokeratin 18 (45 KDa).
Form	Liquid
Conjugation	FITC
Concentration	0.1 mg/mL
Isotype	IgG1

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Recommend Usage	Flow Cytometry (10 ul in human blood cells 100 ul in whole blood or 10^6 cells in a suspension) 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 shoul d be handled by trained staff only.

Applications

- Flow Cytometry

  Intracellular flow cytometry analysis of KRT18 expression in HeLa (human cervix carcinoma cell line) using KRT18 monoclonal antibody, clone C-04 (FITC) (Cat # MAB4565).
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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 fila ment partner keratin 8, are perhaps the most commonly found members of the intermediate filam ent 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 protei n have been found for this gene. [provided by RefSeq
Other Designations	cell proliferation-inducing protein 46|cytokeratin 18

Publication Reference

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- A series of 14 new monoclonal antibodies to keratins: characterization and value in diagnostic histopathology.

  Bártek J, Vojtěsek B, Stasková Z, Bártková J, Kerekés Z, Rejthar A, Kovarík J.

  The Journal of Pathology 1991 Jul; 164(3):215.

- Novel monoclonal antibodies defining epitope of human cytokeratin 18 molecule.

  Lauerová L, Kovarik J, Bártek J, Rejthar A, Vojtěsek 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

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