

Datasheet

KRT18 monoclonal antibody, clone C-04 (FITC)

Catalog Number: MAB4565

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against native KRT18.

Clone Name: C-04

Immunogen: Native purified KRT18 from cytoskeleton of epidermal carcinoma cell line A431.

Host: Mouse

Theoretical MW (kDa): 45

Reactivity: Human, Mammals

Applications: Flow Cyt
(See our web site product page for detailed applications information)

Protocols: See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Specificity: This antibody reacts with Cytokeratin 18 (45 kDa).

Form: Liquid

Conjugation: FITC

Concentration: 0.1 mg/mL

Isotype: IgG1

Recommend Usage: Flow Cytometry (10 ul in human blood cells 100 ul in whole blood or 10⁶ 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.

Entrez GeneID: 3875

Gene Symbol: KRT18

Gene Alias: CYK18, K18

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]

References:

1. A series of 14 new monoclonal antibodies to keratins: characterization and value in diagnostic histopathology. Bartek J, Vojtesek B, Staskova Z, Bartkova J, Kerekes Z, Rejthar A, Kovarik J. J Pathol. 1991 Jul;164(3):215-24.
2. 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;35(6):373-82.
3. 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):495-504.