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Datasheet

KRT18 monoclonal antibody, clone DC-10 (FITC)

Catalog Number: MAB5135

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against native KRT18.

Clone Name: DC-10

Immunogen: Native purified KRT18 from human breast carcinoma cell line PMC-42.

Host: Mouse

Theoretical MW (kDa): 45

Reactivity: Human

Applications: Flow Cyt, IF
(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 (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.

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. 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.
2. 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.
3. Monoclonal antibodies against individual cytokeratins in the detection of metastatic spread. Kovarik J, Rejthar A, Lauerova L, Vojtesek B, Bartkova J. Int J Cancer Suppl. 1988;3:50-5.