Cytokeratin Monoclonal PE Antibody (Clone C-11)
Item No. 10478

Overview and Properties

Contents: This vial contains 100 µg of protein A-purified, PE labeled monoclonal antibody.
Synonym: pan-Cytokeratin
Cross Reactivity: (+) Cytokeratins 4, 5, 6, 8, 10, 13, and 18
Species Reactivity: (+) Human
Form: Lyophilized
Storage: 4°C (as supplied)
Stability: ≥1 Year
Storage Buffer: 100 mM sodium phosphate, pH 7.4, with 50 mM sucrose, 150 mM sodium chloride, 0.1% BSA, and 2 mM sodium azide when reconstituted in 1 ml double distilled water
Clone: C-11
Host: Mouse
Applications: Flow cytometry (FC) and immunofluorescence (IF). The recommended starting dilution for FC and IF is 5-10 µg/ml. Other applications were not tested, therefore optimal working concentration/dilution should be determined empirically.
Miscellaneous: Avoid exposure to heat and light

Image

HeLa cells stained with Cytokeratin Monoclonal PE Antibody (Clone C-11), 10 µg/ml.
PRODUCT INFORMATION

Description

This pan-cytokeratin antibody detects cytokeratin isoforms 4, 5, 6, 8, 10, 13, and 18.\(^1\) Cytokeratins make up a large family of proteins classified as intermediate filament polypeptides.\(^1,2\) They are subdivided into type I (acidic) and type II (basic/neutral) proteins.\(^3\) Under normal conditions, these proteins are found in epithelial cells as type I/type II pairs.\(^1,4\) These pairs provide cellular support as well as contribute to more dynamic processes. Cytokeratins undergo extensive post translational modifications, such as phosphorylation, and are differentially expressed in normal and cancer cells.\(^4,5\)

References