

Cytokeratin, Multi (Epithelial Marker); Clone C11 (Concentrate)

Availability/Contents:

<u>Item #</u>	<u>Volume</u>
RA0381-C.5	0.5 ml

Description:

Species: Mouse

Immunogen: Keratin-enriched preparation from cultured human A431

Clone: C11

Isotype: IgG1

Entrez Gene ID: 3851 (CK4); 3852 (CK5); 3853 (CK6A); 3854 (CK6B); 286887 (CK6C); 3856 (CK8); 3858 (CK10); 3860 (CK13); 3875 (CK18) (Human)

Hu Chromosome Loc.: 12q13.13 (CK4); 12q13.13 (CK5); 12q13.13 (CK6); 12q13.13 (CK8); 17q21.2 (CK10); 17q21.2 (CK13); 12q13.13 (CK18).

Synonyms: Multiple

Mol. Weight of Antigen: Multiple

Format: 200µg/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide.

Specificity: This antibody recognizes cytokeratins 4, 5, 6, 8, 10, 13, and 18.

Background: This is a broad-spectrum antibody which has been reported to differentiate epithelial tumors from non-epithelial tumors. Many studies have shown the usefulness of keratins as markers in cancer research and tumor diagnosis.

Species Reactivity: Human, Cow, Rat, Mouse, Guinea pig, Frog, Goat, Marmoset, and Pig. Others not known.


Positive Control: A431 cells, skin, colon carcinoma.

Cellular Localization: Cytoplasmic

Titer/ Working Dilution: Immunohistochemistry (Frozen and Formalin-fixed): 0.5-1 µg/ml
Flow Cytometry: 0.5-1 µg/million cells
Immunofluorescence: 0.5-1 µg/ml
Western Blotting: 0.5-1 µg/ml

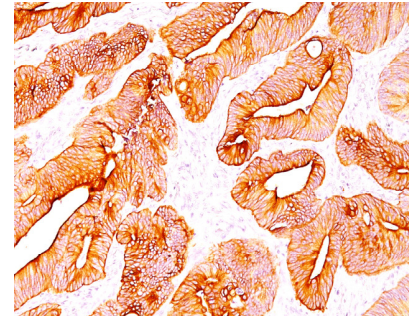
Microbiological State: This product is not sterile.

Storage: 2° C  8° C



ScyTek Laboratories, Inc.
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U.S.A.

Uses/Limitations: Not to be taken internally.
 For Research Use Only.
 This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy.
 Do not use if reagent becomes cloudy.
 Do not use past expiration date.
 Non-Sterile.



Ordering Information and Current Pricing at www.scytek.com

Formalin-fixed, paraffin-embedded colon (10X) stained with Cytokeratin, Multi; Clone C11.

Procedure:


1. **Tissue Section Pretreatment (Required):** Staining of formalin fixed, paraffin embedded tissue sections is significantly enhanced by pretreatment with Citrate Plus (ScyTek catalog# CPL500).
2. **Primary Antibody Incubation Time:** We suggest an incubation period of 30 minutes at room temperature. However, depending upon the fixation conditions and the staining system employed, optimal incubation should be determined by the user.
3. **Visualization:** For maximum staining intensity we recommend the “UltraTek HRP Anti-Polyvalent Lab Pack” (ScyTek catalog# UHP125, see IFU for instructions) combined with the “DAB Chromogen/Substrate Bulk Pack (High Contrast)” (ScyTek catalog# ACV500, see IFU for instructions).


Precautions: Contains Sodium Azide as a preservative (0.09% w/v).
 Do not pipette by mouth.
 Avoid contact of reagents and specimens with skin and mucous membranes.
 Avoid microbial contamination of reagents or increased nonspecific staining may occur.
 This product contains no hazardous material at a reportable concentration according to U.S. 29 CFR 1910.1200, OSHA Hazardous Communication Standard and EC Directive 91/155/EC.

References:

1. Bartek J et. al. J Pathol, 1991, 164(3):215-24.
2. Lane EB; Alexander CM. Seminars in Cancer Biology, 1990, 1:165-79.
3. Bartkova J; et al. Neoplasma, 1991, 38:439-46.
4. Kasper M. Histochemistry, 1991, 95(6):613-20.

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Storage: 2° C  8° C



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