Cytokeratin (Pan)

Description:

Species:	Mouse
Immunogen:	Multiple
Clone:	Multiple
Isotype:	IgG
Format:	This antibody has been pretitered and quality controlled to work on formalin-fixed paraffin- embedded as well as acetone fixed cryostat tissue sections. No further titration is required.
Specificity:	This antibody cocktail reacts with keratins 4, 5, 6, 7, 8, 10, 13, 14, 15, 16, 18, and 19. Cytokeratin (Pan) differentiates epithelial tumors from non-epithelial tumors.
Species Reactivity:	Human, Pig. Others not tested.
Positive Control:	Skin
Cellular Localization:	Cytoplasmic Titer/Working Dilution: No further dilution is required.
Microbiological State:	This product is not sterile.

Uses/Limitations:

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 past expiration date.

Storage and Stability: 2-8° Centigrade.
Product is stable for 24 months from date of manufacture.
If reagent is not stored as recommended, performance must be validated by the user.

Procedure:

1. Staining of formalin fixed, paraffin embedded tissue sections requires pretreatment Trypsin, Stabilized Solution (Teomics catalog# ITSS155) for 10 minutes at 37° C prior to staining.
2. We suggest an incubation period of 30-60 minutes at room temperature or overnight at 2-8C centigrade. Staining of formalin fixed, paraffin embedded tissue sections is significantly enhanced by pretreatment with citrate-based antigen retrieval. However, depending upon the fixation conditions and the staining system employed, optimal incubation should be determined by the user. For maximum staining intensity, we recommend using AviBond Ultra for detection and DAB Clarity Ultra products for visualization.

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. Woodcock-Mitchell J., et al. Journal of Cell Biology, Nov., 95 (2 Pt 1): pages 580-588, 1982.
2. Tseng S.C., et al. Cell, Sept., 30(2): pages 361-372, 1982.
3. Eichner R., et al. Journal of Cell Biology, April, 98(4): pages 1388-1396, 1984.

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