Cytokeratin (45 – 56.5 kD)

Availability/Contents:

<table>
<thead>
<tr>
<th>Item #</th>
<th>Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>A20096</td>
<td>2 ml</td>
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<tr>
<td>A00096</td>
<td>6 ml</td>
</tr>
<tr>
<td>A00096.25</td>
<td>25 ml</td>
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</tbody>
</table>

Description:

Species: Mouse
Immunogen: Crude extract of splenic cells from a nude mouse engrafted with MCF-7 cells (human breast carcinoma cell line).
Clone: MNF116
Isotype: IgG1, Kappa
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: Cytokeratin Clone MNF116 reacts with an epitope which is present in a wide range of cytokeratins. Immunoblotting using MNF116 reveals a number of discrete keratin polypeptides with molecular weights from 40 to 58 kD, including numbers 5, 6, 8, 17 and 19.

Species Reactivity: Human
Positive Control: Squamous Cell Carcinoma or skin
Cellular Localization: Cytoplasmic
Titer/Working Dilution: No further dilution is required.
Microbiological State: This product is not sterile.

Uses/Limitations: For In Vitro Diagnostic Use.

Storage and Stability: 2-8º Centigrade.

Procedure:

1. Tissue Section Pretreatment: (REQUIRED) Staining of formalin fixed, paraffin embedded tissue sections is enhanced by pretreatment with Pepsin (ScyTek catalog# PSS060) or Citrate Plus, pH 6.0 (ScyTek Catalog# CPL500, see IFU for instructions).
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” (ScyTek catalog# DAB2500, see IFU for instructions).
(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:**


**Warranty:**

No products or "Instructions For Use (IFU)" are to be construed as a recommendation for use in violation of any patents. We make no representations, warranties or assurances as to the accuracy or completeness of information provided on our IFU or website. Our warranty is limited to the actual price paid for the product. ScyTek Laboratories, Inc. is not liable for any property damage, personal injury, time or effort or economic loss caused by our products. Immunohistochemistry is a complex technique involving both histological and immunological detection methods. Tissue processing and handling prior to immunostaining can cause inconsistent results. Variations in fixation and embedding or the inherent nature of the tissue specimen may cause variations in results. Endogenous peroxidase activity or pseudoperoxidase activity in erythrocytes and endogenous biotin may cause non-specific staining depending on detection system used.