

## Cytokeratin (45 – 56.5 kD)

Availability/Contents:	Item #	Volume
	A20096	2 ml
	A00096	6 ml
	A00096.25	25 ml

### 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.  
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. 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

Storage: 2°C  8°C

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## Instructions For Use A00096-IFU-IVD

Rev. Date: Sept. 1, 2008

Revision: 1

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(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. Jorgensen, L.J., et al. Synovial sarcoma: An immuno-histochemical study of the epithelial component. APMIS 102(3): pages 191-196, 1994.
2. Prieto, V., et al. Immunohistochemical detection of keratin with the monoclonal antibody MNF116 is useful in the diagnosis of epidermolysis bullosa simplex. J Cutan Pathol 21(2): pages 118-122, 1994.
3. Prieto, V., et al. Expression of cytokeratin 10, 17 and 18 in normal and pathological skin as detected by the monoclonal antibody MNF116. J Invest Dermatology 100(4): page 547, 1993.
4. Walsh, C.B., et al. Diagnostic application of the cytokeratin MNF 116 in a wide range of sarcomas, carcinomas, and lymphomas. J Pathol 167(Suppl): page 148A, 1993.
5. Goddard, M.J., et al. Comparison of commercially available cytokeratin antibodies in normal and neoplastic adult epithelial and non-epithelial tissues. J Clin Pathology 44(8): pages 660-663, 1991.
6. Moll, R. et al. The catalog of human cytokeratins: Patterns of expression in normal epithelial, tumors and cultured cells. Cell 31(1): pages 11-24, 1982.

### Warranty:

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Storage: 2°C  8°C

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