

## Keratin 8 and 18, clone NCL5D3 Monoclonal Antibody

**Catalog No.:** MON3009

**Quantity:** 1 ml

### **Specificity**

This monoclonal antibody reacts in immunoblots with the 52.2 kD and 45 kD cytokeratin proteins (nrs 8 and 18 in the Moll-catalogue). Antigen is isolated from human breast carcinoma cell line MCF7. Antigen location: cytoplasm. Crossreactivity: no significant reactivity with mouse or rat tissues.

### **Immunoglobulin type**

Murine IgG<sub>2a</sub>

### **Use**

This antibody, directed against cytokeratins 8 and 18 reacts with all simple epithelia including glandular epithelium, e.g. thyroid, female breast, gastro-intestinal tract, respiratory tract and urogenital tract. It does not react with normal stratified squamous epithelium from any site. Transitional epithelium stains. Specific uses include differentiation between carcinoma and lymphoma and detection of micro-metastases in bone marrow e.g. from breast primary. All adenocarcinomas and most poorly differentiated squamous carcinomas stain. Effectiveness in formalin fixed paraffin embedded material makes this antibody particularly useful in routine histopathology laboratory practice. Recommended for positive control: Glandular epithelium

### **Instructions for use**

For immunohistochemistry on frozen sections fixation with acetone for 10 min. at room temperature is recommended. Paraffin material should be fixed with neutral formalin. For such tissue sections proteolytic pretreatment with pepsin or pronase is recommended. Working dilution: 1:5 - 1:10. Optimal dilution should be tested by serial dilutions. Dilution buffer: 0.15M PBS with 0.1% BSA and 0.1% Na-azide.

### **Presentation**

1 ml diluted ascites in TRIS/HCl buffer.

### **Literature**

- Angus, B., et al., 1987, J. of Path. 153, 377-384.

**FOR RESEARCH USE ONLY, NOT FOR DRUG, DIAGNOSTIC OR OTHER USE.**



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