

## **Keratin 5 & 8. Mouse cIn C50 Monoclonal Antibody, Human**

### **BACKGROUND**

Cytokeratins (CK) are intermediate filaments of epithelial cells, both in keratinizing tissue (ie., skin) and non-keratinizing cells (ie., mesothelial cells). Although not a traditional marker for endothelial cells, cytokeratins have also been found in some microvascular endothelial cells. At least 20 different cytokeratins (CK) in the molecular range of 40-70 kDa and isoelectric points of 5-8.5 can be identified using two dimensional gel electrophoresis. Biochemically, most members of the CK family fall into one of two classes, type I (acidic polypeptides) and type II (basic polypeptides). At least one member of the acidic family and one member of the basic family is expressed in all epithelial cells. Monoclonal antibodies to cytokeratin proteins can be useful markers for tumor identification and classification.

Simple epithelia express cytokeratin 8 in combination with 18. Basal cells of stratified epithelia express cytokeratin 5 with cytokeratin 14. Therefore this antibody reacts with a wide range of epithelia and their carcinomas.

### **IMMUNOGEN**

Cytoskeleton preparation of HeLa cells

### **COMMENTS**

Detects Keratin 5 & 8 by Western blot. Detects a 58 kDa band, corresponding to Keratin 5, and a 52.5 kDa band, corresponding to Keratin 8.

### **STORAGE CUSTOMER**

Product should be stored at -20 degrees C. Aliquot to avoid freeze/thaw cycles

### **STABILITY**

Products are stable for one year from purchase when stored properly

### **ORDERING INFORMATION**

**CATALOG NUMBER**  
X1257M

**SIZE**  
100 µg

**FORM**  
Purified

**HOST/CLONE**  
Mouse cIn C50

**FORMULATION**  
Provided as 0.2 µm sterile filtered solution in phosphate buffered saline with 0.08% sodium azide

**CONCENTRATION**  
1 mg/ml

**ISOTYPE**  
IgG1

**APPLICATIONS**  
Frozen Tissue Staining  
Western Blotting  
Immunohistochemistry

### **SPECIES REACTIVITY**

Human

**POSITIVE CONTROL**

Not Available

**SHIP CONDITIONS**

Ship at ambient temperature, freeze upon arrival

**REFERENCES**

1. Kovarik, et al, J. Tumor Marker Oncol. 1990, 5, 219

**LAST MODIFIED** 9/16/2002

For research use only. Not for use in human diagnostics or therapeutics.

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