

## CYFRA21-1 Monoclonal Antibodies

### ORDERING INFORMATION

Catalog no.	Clone No.	MAb Subtype	Size
34082	XC42	IgG1	200 µg
34083	1X3	IgG1	200 µg

**Format:** Antibody purified by ion exchange chromatography in PBS, pH 7.4, 0.09% sodium azide.

### BACKGROUND

CYFRA 21–1 is a fragment of cytokeratin 19 (CK19). CK19 is expressed in the unstratified or pseudostratified epithelium lining the bronchial tree, and overexpression of CK19 has been detected in many lung cancer tissue specimens. Accelerated CK19 degradation occurs in neoplastically transformed epithelial cells as a result of increased protease activity of caspase-3 (a regulator of the apoptosis cascade), and fragments, including CYFRA21-1, are released into the blood. Measurement of levels of serum CYFRA 21–1 is a useful and highly specific auxiliary test for diagnosis of non-small cell lung cancer (NSCLC) as well as for diagnosis of squamous cell carcinoma of the lung.

### SPECIFICATION SUMMARY

**Antigen:** Soluble cytokeratin fraction purified from a human cell line.

**Host Species:** Mouse

**Specificity:** These antibodies recognize CYFRA21-1.

### APPLICATIONS

**ELISA:** for sandwich ELISA, use #34082 as capture antibody and #34083 as detection antibody.

Endusers should determine optimal antibody concentrations for their applications.

### DILUTION INSTRUCTIONS

Dilute in PBS or medium that is compatible with the assay system.

### STORAGE AND STABILITY

Store product at 2 to 8°C.