



## MONOCLONAL ANTIBODY

*For research use only. Not for clinical diagnosis.*

**Catalog No. CE-044A**

# Anti-Cytokeratin18 (CK18) antibody

## BACKGROUND

Recently, it could be shown that the induction of CK 8/18 expression in non-malignant buccal mucosa cells resulted in a significant change of phenotypic characteristics after CK 8/18 transfection. These changes include an increased cellular motility, which might give first hints for an increased tumor aggressiveness and poor patient prognosis.

<b>Product type</b>	Primary antibodies
<b>Host</b>	Mouse
<b>Source</b>	Culture supernatant
<b>Form</b>	Liquid
	Purified monoclonal antibody in PBS, 50% Glycerol, 0.05% NaN <sub>3</sub> .
<b>Volume</b>	100 µl
<b>Concentration</b>	1 mg/ml
<b>Specificity</b>	Cytokeratin18
<b>Antigen</b>	Synthetic peptide corresponding to the C-terminal 10 aa (aa 414 - 423) of rat and mouse CK18, ETNDTRVLRH.
<b>Clone</b>	D2C7
<b>Isotype</b>	IgG2a

**Application notes** WB, ICC, IHC Not tested for other applications.

### Recommended dilutions

Western blotting, 1/1,000 to 1/5,000

Immunocytochemistry, 1/100 to 1/500

Immunohistochemistry, 1/100 to 1/500

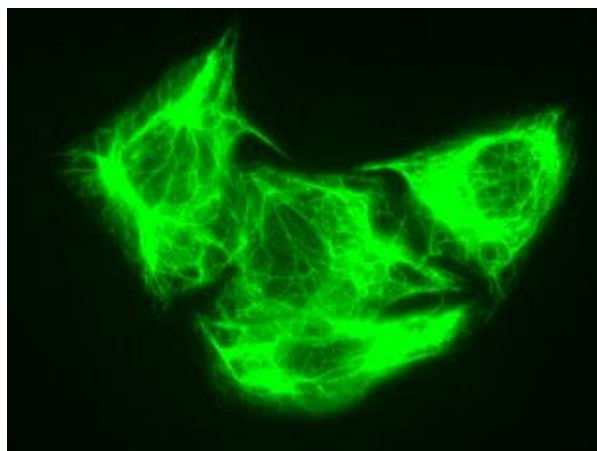


Fig.1 Immunocytochemistry/ Immunofluorescence -  
Cytokeratin-18(CK18) antibody (D2C7)  
HeLa cells

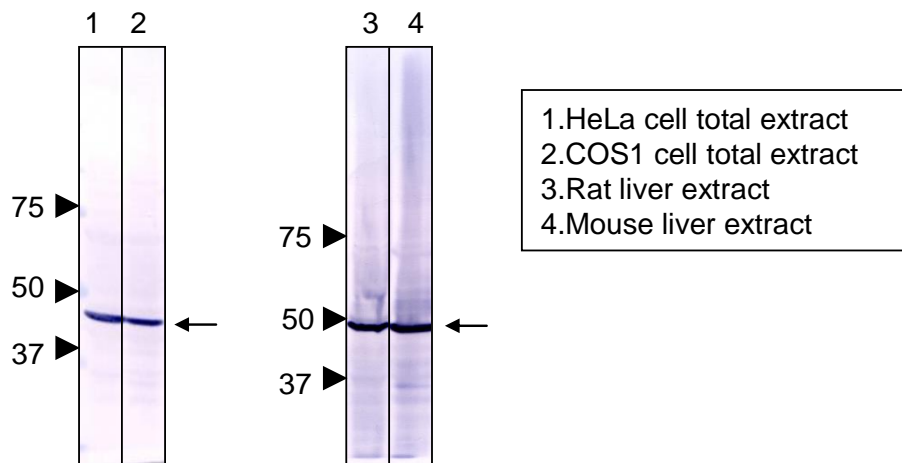


Fig.2 Western blot - Cytokeratin-18(CK18) antibody (D2C7)  
1.HeLa, 2.COS1, 3.rat liver, 4.mouse liver total extracts

Optimal dilutions/concentrations should be determined by the end user.

**Cross reactivity**

Human, Monkey, Mouse, Rat Other species have not been tested.

**Storage**

Store below -20°C (below -70°C for prolonged storage).

**References**

1) Linder et al.,(2004) Determining tumor apoptosis and necrosis in patient serum using cytokeratin 18 as a biomarker. Cancer Lett.,214,1-9.

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