

**MOUSE ANTI-HUMAN CYTOKERATIN 18
MONOCLONAL ANTIBODY**

CATALOG NUMBER:	CBL177	QUANTITY:	50 µg
LOT NUMBER:		CONCENTRATION:	1 mg/mL
CLONE:	Ks 18.04	HOST/ISOTYPE:	Ms IgG1
BACKGROUND:	Ks 18.04 represents an excellent marker to discriminate simple epithelia from those of different origin. Tumors specifically detected: all adenocarcinoma; mammary carcinoma, urinary bladder carcinoma, undifferentiated carcinoma, cervix carcinoma, hepatocellular carcinoma.		
SPECIFICITY:	The antibody reacts with the human cytokeratin 18 (45 kDa) polypeptide of all simple type epithelia and basal cells of many squamous non-epidermal epithelia.		
IMMUNOGEN:	Human cytokeratin 18 from HeLa cytoskeletal preparation		
APPLICATIONS:	<u>Western blot</u> <u>Immunohistochemistry:</u> 1:400; Frozen and formalin-fixed, paraffin-embedded tissue sections; heat-induced epitope retrieval is recommended for paraffin-embedded sections. <i>Optimal working dilutions must be determined by the end user.</i>		
SPECIES REACTIVITY:	Human, mouse, rat, bovine, pig, dog, hamster, ovine (sheep), fish (trout). Reactivity with other species has not been confirmed.		
CONTROL:	Positive cell lines: HeLa and MCF-7		
PRESENTATION:	Protein A purified immunoglobulin presented in PBS 0.01M, pH 7.1, containing 0.1% sodium azide.		
STORAGE/HANDLING:	Maintain at 2°-8°C for up to 12 months from date of receipt.		
REFERENCES:	Bartek, J. et al. (1991). A series of 14 new monoclonal antibodies to keratins: characterization and value in diagnostic histopathology. J. Pathol. 164:214-224. Layrova L. et al. (1988). Hybridoma 7:495-504. Moll, R. et al. (1982). The catalog of human cytokeratins: patterns of expression in normal epithelia, tumors and cultured cells. Cell 31:11-24.		

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

For research use only; not for use as a diagnostic.

Unless otherwise stated in our catalog or other company documentation accompanying the product(s), our products are intended for research use only and are not to be used for any other purpose, which includes but is not limited to, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses or any type of consumption or application to humans or animals.

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