



MOUSE ANTI-CYTOKERATIN 10 MONOCLONAL ANTIBODY

CATALOG NUMBER:	MAB3230	QUANTITY:	100 µg
LOT NUMBER:		CONCENTRATION:	1 mg/mL
		HOST/ISOTYPE:	Ms/ IgG ₁

BACKGROUND:	Cytokeratins are a subfamily of intermediate filament proteins and are characterized by a remarkable biochemical diversity, represented in epithelial tissues by at least 20 different polypeptides. They range in molecular weight from between 40 kDa and 68 kDa and isoelectric pH between 4.9 – 7.8. The individual cytokeratin polypeptides are designated 1-20. The various epithelia in the human body usually express cytokeratins which are not only characteristic of the type of epithelium, but also related to the degree of maturation or differentiation within an epithelium. Cytokeratin subtype expression patterns are used to an increasing extent in the distinction of different types of epithelial malignancies.
SPECIFICITY:	Cytokeratin 10. MAB3230 reacts with keratinizing stratified epithelia and in differentiated areas of highly differentiated squamous cell carcinomas.
IMMUNOGEN:	Cytoskeletal preparation from human squamous keratinizing epithelium.
APPLICATIONS:	Western blot: 1:100-1:1,000 Immunohistochemistry: 1:100-1:200 on frozen tissue sections. Immunocytochemistry: 1:100-1:200 Flow cytometry: 1:100-1:200 Optimal working dilutions must be determined by the end user.
SPECIES REACTIVITY:	Human, mouse, rat and canine. Has not been tested on other species.
FORMAT:	Purified immunoglobulin from culture supernatant.
PRESENTATION:	Liquid in buffer with 0.09% sodium azide.
STORAGE/HANDLING:	Maintain at -20°C in undiluted aliquots up to 6 months after date of receipt. Avoid repeated freeze/thaw cycles.
REFERENCES:	1. Smedts, F. et al. Keratin expression in cervical cancer. <i>Am. J. Path.</i> (1992) 141 :497-511. 2. Putts, J. et al. Expression of cytokeratins in early neoplastic epithelial lesions of the uterine cervix. <i>Int. J. Gynecol.</i> (1985) 4 :300-313.

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.



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PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION**

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