

Mouse Anti-Human Cytokeratin 14,
monoclonal

CatNo **K078**

BatchNo: See Label
Expiration Date: See Label
Storage: 2-8/-20°C

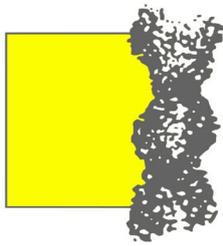
Clone Number:	LL0002
Volume/Quantity:	0.5 ml
Product Form:	Tissue culture supernatant - liquid
Preparation:	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Preservatives Stabilisers:	0.09% Sodium Azide (NaN ₃)
Immunogen:	Synthetic peptide of 15 amino acids representing the end C-terminal region of human keratin 14.
Isotype:	IgG3 (Mouse)
Specificity:	Cytokeratin 14 is found in stratified epithelial cell types but not simple epithelial. This antibody with help detect cytokeratin 14 and identify uncharacertized tissues.
Species Cross-Reactivity	Human, mouse and rat

Applications:	Suggested Working Dilution	
FlowCytometry	Not tested	
Immunohistology-frozen	Yes	1/20
Immunohistology-paraffin	Yes	1/20
Immunohistology-resin	Not tested	
ELISA	Not tested	
Immunoprecipitation	Not tested	
Western Blotting	Not tested	
Radioimmunoassay	Not tested	

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

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Immunohistology

Pre-treatment:	This product requires heat-induced epitope retrieval.
Positive Control	Skin. Cytoplasmic staining pattern.
Recommended Secondary Reagents:	F(ab') ₂ rabbit anti-mouse IgG HRP conjugate - (LINARIS CatNo LST0013B) Vectastain [®] ABC Mouse IgG (Vector CatNo AK-5002) and Substrate-Kit e.g. Vector [®] Red (Vector CatNo SK-5100). Vectastain [®] ABC-Elite Mouse IgG (Vector CatNo PK-6102) and Peroxidase Substrate-Kit e.g. DAB (LINARIS CatNo E108) or HistoGreen (LINARIS CatNo E109).
Recommended Negative Controls:	Mouse IgG3 Negative Control (LINARIS CatNo ITC2063)

References

1. Lane E B and Alexander C M. Use of keratin antibodies in tumour diagnosis. *Cancer Biology*. 1: 165-179 (1990).
2. Purkis P E, Steel J B, Mackenzie I C, et al.. Antibody markers of basal cells in complex epithelia. *Journal of Cell Science*. 97: 39-50 (1990).
3. Westzels R H W, Holland R, Van Haelst U J G M, et al.. Detection of basement membrane components and basal cell keratin 14 in noninvasive and invasive carcinomas of the breast. *American Journal of Pathology*. 134(3): 571-579 (1989).
4. Moll R, Franke W W, Schiller F L, et al.. The catalog of human cytokeratins: patterns of expression in normal epithelia, tumours and cultured cells. *Cell*. 31: 11-24 (1982).

Storage Conditions:	Store at 2-8°C for one month or at -20°C for longer! Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life:	12 months from date of despatch.
Health and Safety Information:	(A full Health and Safety assessment is available upon request) This product contains sodium azide: a POISONOUS and HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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For Research purposes only. Not for therapeutic or diagnostic use.

