

## Product datasheet

anti-Keratin K13 mouse monoclonal, Ks13.1, prediluted, purified, ready-to-use

### Short overview

<b>Cat. No.</b>	65007
<b>Quantity</b>	5 ml

### Product description

<b>Host</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Isotype</b>	IgG1
<b>Clone</b>	Ks13.1
<b>Immunogen</b>	Keratin K13 of Mr 54,000 purified from human esophagus
<b>Formulation</b>	PBS pH 7.4 with 0.5% BSA and 0.09% sodium azide
<b>Synonym</b>	Cytokeratin 13
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Affinity chromatography
<b>Storage</b>	Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
<b>Intended use</b>	Research use only
<b>Application</b>	ICC/IF, IHC, WB
<b>Reactivity</b>	Bovine, Human, Rat

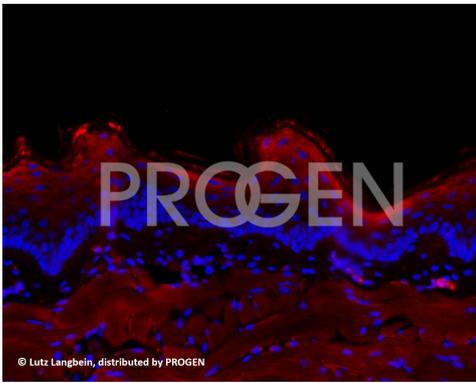
### Applications

<b>Immunocytochemistry (ICC)</b>	Assay dependent
<b>Immunohistochemistry (IHC) - frozen</b>	Ready-to-use
<b>Immunohistochemistry (IHC) - paraffin</b>	Ready-to-use (microwave treatment recommended)
<b>Western Blot (WB)</b>	Assay dependent

### Background

Ks 13.1 represents an excellent marker to discriminate non-cornified squamous epithelia from those of different origin. Polypeptide reacting: Mr 54,000 polypeptide human keratin K13 (formerly designated cytokeratin 13; with minor affinity to keratins K14, Mr 50,000, and K16, Mr 48,000 and also to K25, formerly designated K25irs1 from inner root sheath of hair follicle). Tumors specifically detected: several squamous cell carcinomas, e.g. cervix carcinoma; transitional cell carcinoma of the bladder; craniopharyngioma. Reactivity on cultured cell lines: cell lines from squamous cell CA, e.g. A-431 from epidermoid CA of vulva; RT 112, RT-4 of urinary bladder CA.

### Product images



Mouse tongue (courtesy of L. Langbein)



Mouse tongue (courtesy of L. Langbein)

## References

Publication	Species	Application
<a href="#">Moll, R. et al. Cytokeratins in normal and malignant transitional epithelium: maintenance of expression of urothelial differentiation features in transitional cell carcinomas and bladder carcinoma cell culture lines. Am. J. Pathol. 132, 123â€“144 (1988).</a>	human	WB,IHC (frozen),IHC (paraffin),ICC-IF
<a href="#">Heid, H. W. et al. Patterns of expression of trichocytic and epithelial cytokeratins in mammalian tissues II. Concomitant and mutually ... Differentiation 37, 215â€“230 (1988).</a>	human	IHC (frozen)
<a href="#">Heid, H. W., Moll, I. &amp; Franke, W. W. Patterns of expression of trichocytic and epithelial cytokeratins in mammalian tissues. I. Human and bovine hair follicles. Differentiation. 37, 137â€“57 (1988).</a>	human	IHC (frozen)