

## Product datasheet

anti-Keratin K18 mouse monoclonal, Ks18.27, lyophilized, purified

### Short overview

<b>Cat. No.</b>	61034
<b>Quantity</b>	50 µg
<b>Concentration</b>	50 µg/ml after reconstitution with 1 ml dist. water

### Product description

<b>Host</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Isotype</b>	IgG1
<b>Clone</b>	Ks18.27
<b>Immunogen</b>	Cytoskeletal preparation from tumor cell line MCF-7
<b>Formulation</b>	Lyophilized; reconstitute in 1 ml dist. water (final solution contains 0.09% sodium azide, 0.5% BSA in PBS buffer, pH 7.4)
<b>UniprotID</b>	A1XEA5 (Bovine),P05783 (Human)
<b>Synonym</b>	Keratin, type I cytoskeletal 18, Cell proliferation-inducing gene 46 protein, Cytokeratin-18, CK-18, Keratin-18, K18, KRT18, CYK18, PIG46
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Affinity chromatography
<b>Storage before reconstitution</b>	2-8°C until indicated expiry date
<b>Storage after reconstitution</b>	Up to 3 months 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>	ELISA, IHC, WB
<b>Reactivity</b>	Bovine, Human
<b>No reactivity</b>	Mouse

### Applications

<b>ELISA</b>	Assay dependent
<b>Immunohistochemistry (IHC) - frozen</b>	1:10-1:50
<b>Immunohistochemistry (IHC) - paraffin</b>	1:10-1:50 (protease treatment and/or microwave treatment recommended)
<b>Western Blot (WB)</b>	Assay dependent

### Background

Ks 18.27 represents an excellent marker to discriminate simple epithelia from those of different origin. Polypeptide reacting: Mr 45,000 polypeptide (keratin K18; formerly also designated cytokeratin 18) of all simple type and complex epithelia. Reactivity on cultured cell lines:

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## Product images



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## 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)