

Product datasheet

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

Short overview

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

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1
Clone	Ks18.27
Immunogen	Cytoskeletal preparation from tumor cell line MCF-7
Formulation	Lyophilized; reconstitute in 1 ml dist. water (final solution contains 0.09% sodium azide, 0.5% BSA in PBS buffer, pH 7.4)
UniprotID	A1XEA5 (Bovine), P05783 (Human)
Synonym	Keratin, type I cytoskeletal 18, Cell proliferation-inducing gene 46 protein, Cytokeratin-18, CK-18, Keratin-18, K18, KRT18, CYK18, PIG46
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage before reconstitution	2-8°C until indicated expiry date
Storage after reconstitution	Up to 3 months at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
Intended use	Research use only
Application	ELISA, IHC, WB
Reactivity	Bovine, Human
No reactivity	Mouse

Applications

ELISA	Assay dependent
Immunohistochemistry (IHC) - frozen	1:10-1:50
Immunohistochemistry (IHC) - paraffin	1:10-1:50 (protease treatment and/or microwave treatment recommended)
Western Blot (WB)	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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MCF-7, HeLa, A-431, PLC, RT 112 Tumors specifically detected: All adeno-CA tested; undifferentiated CA; cervix CA; hepatocellular CA

Product images



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References

Publication	Species	Application
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).	human	WB,IHC (frozen)