

## Product datasheet for **BM5503P**

### Cytokeratin 18 (KRT18) Mouse Monoclonal Antibody [Clone ID: Ks18.27]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	Ks18.27
Applications:	ELISA, IHC, WB
Recommended Dilution:	Immunohistochemistry on frozen sections: 1:10; 1 h at RT. Cytological material. Immunoblotting. ELISA.
Reactivity:	Bovine, Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Cytoskeletal preparation from tumor cell line MCF-7.
Specificity:	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. Reacts with human, bovine; negative with mouse. Reacts with MCF-7, HeLa. A-431, PLC, RT 112. All adeno-CA tested; undifferentiated CA; cervix CA; hepatocellular CA.
Formulation:	PBS buffer, pH 7.4 containing 0.09 % sodium azide, 0.5% BSA State: Purified State: Lyophilized purified IgG
Reconstitution Method:	Restore in 1 ml dist. water
Purification:	Protein A affinity chromatography
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store the antibody at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	keratin 18



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**Database Link:** [Entrez Gene 3875 Human P05783](#)

**Background:** Cytokeratin 18 is an acidic keratin which is found primarily in non squamous epithelia and is present in a majority of adenocarcinomas and ductal carcinomas but not in squamous cell carcinomas. Cytokeratin 18 exists in combination with Cytokeratin 8, a basic keratin. Hepatocellular carcinomas have been reportedly defined by the use of antibodies that recognize only Cytokeratins 8 and 18.

**Synonyms:** Cytokeratin-18, CK18, Keratin-18, Keratin 18, KRT18, CYK18, K18