

## Product datasheet for **DM188**

### Cytokeratin 19 (KRT19) Mouse Monoclonal Antibody [Clone ID: RCK108]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	RCK108
Applications:	IF, IHC, WB
Recommended Dilution:	<b>Western Blot.</b> <b>Immunofluorescence.</b> <b>Immunohistochemistry on Frozen Sections.</b> <b>Immunohistochemistry on Paraffin Sections:</b> No proteolytic pretreatment required, Optimal results are obtained when using the microwave retrieval method in citrate buffer. <i>Working Dilution:</i> 1/10-1/20 (ABC Method) for Immunohistochemistry. <i>Dilution Buffer:</i> Dilute immediately with PBS or TBS. <i>Positive Control:</i> Glandular epithelia.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human bladder cell line T24
Specificity:	This antibody specifically reacts with keratin K19 (formerly also designated cytokeratin 19; 40 kD protein in immunoblotting), found in most glandular simple type epithelia and tumors derived therefrom (adenocarcinoma), most squamous cell carcinoma.
Formulation:	State: Supernatant State: Liquid Tissue Culture Supernatant containing 0.09% Sodium Azide
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	keratin 19
Database Link:	<a href="#">Entrez Gene 3880 Human P08727</a>



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**Background:**

Keratin-19 is a member of the keratin family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. Unlike its related family members, this smallest known acidic cytokeratin is not paired with a basic cytokeratin in epithelial cells. It is specifically expressed in the periderm, the transiently superficial layer that envelops the developing epidermis. Keratin 19 is not expressed in hepatocytes, therefore, antibody to keratin 19 is useful in the identification of liver metastasis. The degree of keratin 19 positivity in breast cancer distinguishes malignant from benign tumours. Keratin 19 is often co-expressed with keratin 7.

**Synonyms:**

Cytokeratin-19, Keratin-19, KRT19, CK19, K19