

Product datasheet for **DM188P**

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

Product data:

Product Type:	Primary Antibodies
Clone Name:	RCK108
Applications:	FC, IF, IHC, WB
Recommended Dilution:	Immunoblotting. Immunocytochemistry. Flow Cytometry. Immunohistochemistry on Frozen Sections. Immunohistochemistry on Paraffin Embedded Tissues (Microwave oven based antigen retrieval with distilled water). Recommended Dilutions: 1/100-1/1000 for Immunoblotting and 1/100-1/200 for Flow Cytometry and for Immunohistochemistry with ABC as detection reagent.
Reactivity:	Human, Zebrafish
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Cytoskeletal preparation of Human bladder carcinoma cell line T24
Specificity:	Clone <i>RCK108</i> specifically reacts with Cytokeratin 19, found in most glandular simple type epithelia and most carcinomas. Does not react with hepatocytes and hepatocellular carcinoma.
Formulation:	PBS State: Purified State: Liquid purified IgG fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store 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.



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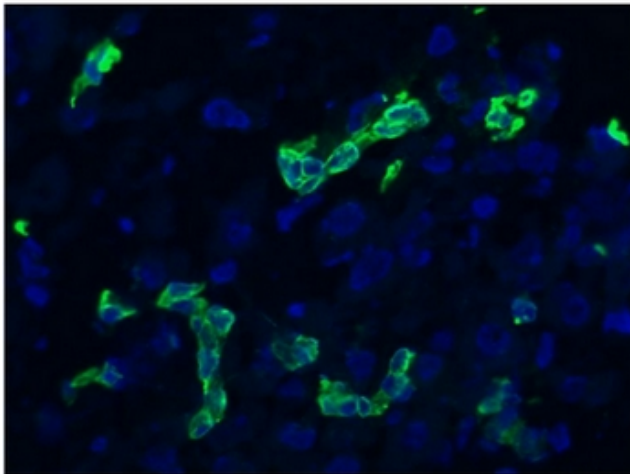
Gene Name: keratin 19

Database Link: [Entrez Gene 3880 Human P08727](#)

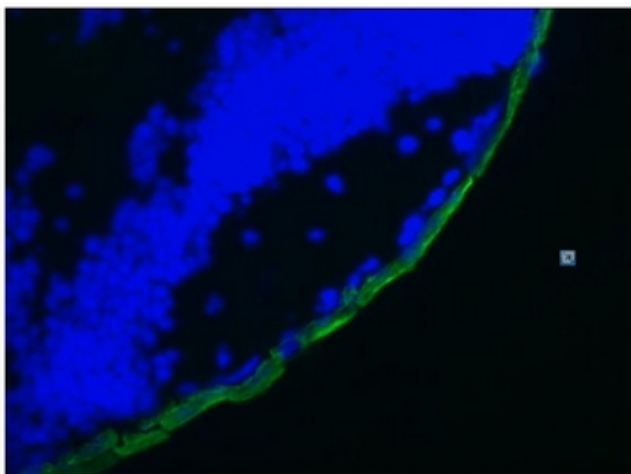
Background: Cytokeratins are a subfamily of intermediate filament proteins and are characterized by a remarkable biochemical diversity, represented in human epithelial tissues by at least 20 different polypeptides. They range in molecular weight between 40 kDa and 68 kDa and isoelectric pH between 4.9 - 7.8. The various epithelia in the human body usually express cytokeratins which are not only characteristic of the type of epithelium, but also related to the degree of maturation or differentiation within an epithelium. Cytokeratin subtype expression patterns are used to an increasing extent in the distinction of different types of epithelial malignancies. The cytokeratin antibodies are not only of assistance in the differential diagnosis of tumors using immunohistochemistry on tissue sections, but are also a useful tool in cytopathology and flow cytometric assays. Individual human cytokeratins are numbered 1 to 20.

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

Product images:



Immunohistochemistry on Frozen Section of Human liver bile duct epithelium



Immunofluorescence staining of a 9 days old Zebrafish embryo