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Product datasheet for BM6002P

Cytokeratin 5 (KRT5) (+ KRT8) Mouse Monoclonal Antibody [Clone ID: RCK102]

Product data:

Product Type:	Primary Antibodies
Clone Name:	RCK102
Applications:	FC, IF, IHC, WB
Recommended Dilution:	**Immunoblotting:** 1/100-1/1000. **Immunocytochemistry / Immunofluorescence:** 1/10-1/500. **Immunohistochemistry on Frozen Sections:** 1/100-1/200. **Immunohistochemistry on Paraffin-Embedded Tissues:** 1/100-1/200. **Flow Cytometry:** 1/100-1/200. ***Recommended Dilutions**:* 1/100-1/200 for Flow Cytometry, and for Immunohistochemistry with avidin-biotinylated horseradish peroxidase complex (ABC) as detection reagent, and 1/100-1/1000 for Immunoblotting.
Reactivity:	Canine, Feline, Hamster, Human, Mouse, Porcine, Rabbit, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Clone RCK102 is a mouse monoclonal IgG1 antibody derived by fusion of SP2/0 mouse myeloma cells with spleen cells from a Mouse immunized with Cytokeratins from a Human lung cancer cell line (MR21).
Specificity:	*RCK102* is a Cytokeratin antibody reacting with Cytokeratin 5 and Cytokeratin 8. This monoclonal antibody recognizes virtually all epithelial tissues and carcinomas.
Formulation:	PBS State: Purified State: Liquid purified IgG fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography
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.

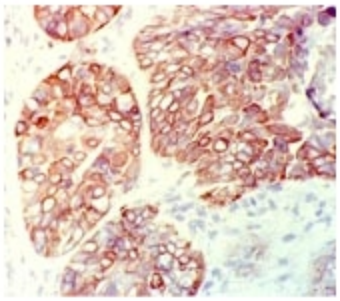
Gene Name: keratin 5

Database Link: Entrez Gene 110308 MouseEntrez Gene 369017 RatEntrez Gene 3852 Human P13647

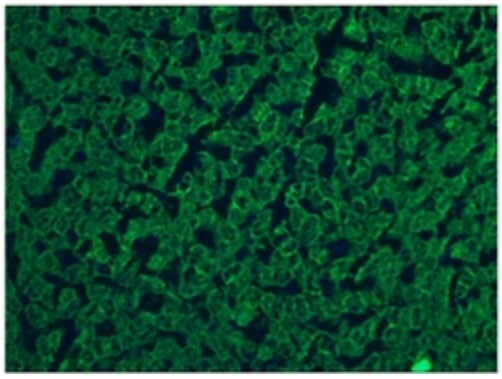
Background: Cytokeratins are a subfamily of intermediate filament proteins and are characterized by a remarkable biochemical diversity, represented in human epithelial tissues by at least 20 different polypeptides. They range in molecular weight between 40 kDa and 68 kDa and isoelectric pH between 4.9-7.8. The individual human cytokeratins are numbered 1 to 20. 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.

Synonyms: KRT5, Cytokeratin-5, Keratin-5, Keratin 5, CK5, K5

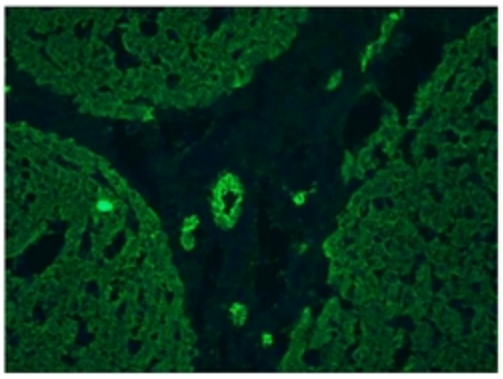
Product images:



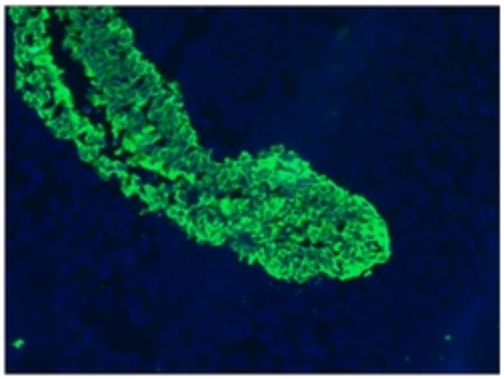
RCK102 Cytokeratin staining of a human squamous cell carcinoma of the lung.



Immunohistochemistry on Frozen sections of human liver hepatocytes.



Immunohistochemistry on frozen sections of human liver hepatocytes and bile ducts



Immunohistochemistry on frozen sections of human urinary bladder epithelium