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Product datasheet for BM5048P

Cytokeratin 14 (KRT14) Mouse Monoclonal Antibody [Clone ID: RCK107]

Product data:

Product Type:	Primary Antibodies
Clone Name:	RCK107
Applications:	FC, IF, IHC, WB
Recommended Dilution:	**Immunocytochemistry.** **Immunohistochemistry on Frozen sections.** **Flow cytometry.** **Immunoblotting.** *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 applications.
Reactivity:	Canine, Human, Porcine, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Cytoskeletal preparation of TR146 epithelial cells.
Specificity:	RCK107 reacts exclusively with Cytokeratin 14 which is present in basal cell compartments of stratified and combined epithelia.
Formulation:	PBS with 0.09% Sodium Azide as preservative. State: Purified State: Liquid purified IgG fraction
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 freeze-thaw cycles.
Stability:	Shelf life: One year from despatch.
Gene Name:	keratin 14

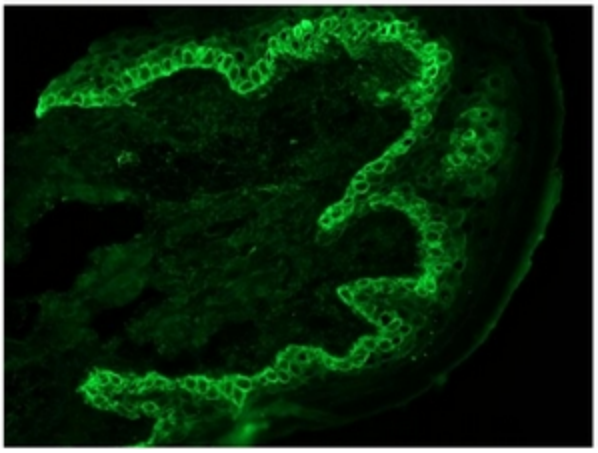
View online »

Database Link: Entrez Gene 3861 Human
P02533

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: Cytokeratin-14, CK14, Keratin 14, K14, KRT14

Product images:



Immunohistochemistry on Frozen Section of Swine skin showing basal cell staining using anti-Cytokeratin 14 antibody no.