# Mouse anti-Keratin 14, clone RCK107, Purified (Monoclonal)

Clone no. RCK107

MONOSAN

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|---|---|
| Product name | Mouse anti-Keratin 14, clone RCK107, Purified (Monoclonal) |
| Host | Mouse |
| Applications | FC (1:100-1:200), ICC, IHC-fr (1:100-1:200), WB (1:100-1:1000) |
| Species reactivity | human, canine, rat, swine |
| Conjugate | - |
| Immunogen | cytoskeletal preparation of TR146 epithelial cells |
| Isotype | IgG1 |
| Clonality | Monoclonal |
| Clone number | RCK107 |
| Size | 0.1 mg |
| Concentration | 1 mg/ml |
| Format | - |
| Storage buffer | PBS with 0.09% sodium azide |
| Storage until expiry date | 2-8°C |

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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## Additional info

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. RCK107 reacts exclusively with Cytokeratin 14 which is present in basal cell compartments of stRatified and combined epithelia.

## References


1. Wetzels et al. Am J Pathol 1991;138:751-763
2. Smedts et al. Am J Pathol 1992;140:601-612
3. Bauwens et al. Ann Otol Rhinol Laryngol 1992;101:479-486
4. van Leenders et al. Lab Invest 2000;80:1251-8
5. Spies et al. Vos et al. Vet Pathol 1993;30:352-361