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DATA SHEET

Rabbit Anti-Cytokeratin 15 Recombinant [MD90R]: RM0076, RM0076RTU7

Intended Use: For Research Use Only

Description: Cytokeratin 15 (CK15) is involved in the development of stratified epithelia from one-layered polar epithelia and continues to be expressed in several adult epithelial tissues. It labels the basal keratinocytes of stratified tissues, including the fetal epidermis and fetal nail. Although CK15 in normal hair follicles was virtually absent from hair bulbs, it was expressed by a subset of keratinocytes in the outer root sheath. In human conjunctival epithelium, strong expression of CK15 was observed in basal cells, whereas Cytokeratin 19 was expressed in both basal and suprabasal layers. CK15 may be used to differentiate primary from metastatic skin cancer. It may be a useful stem cell marker for hair follicle and breast epithelium.

Specifications:

Clone:	MD90R
Source:	Rabbit
Isotype:	IgG
Reactivity:	Human, rat, cow
Immunogen:	Recombinant human full-length CK15 protein
Localization:	Cytoplasm
Formulation:	Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
Storage:	Store at 2°- 8°C
Applications:	IHC, Flow Cyt.

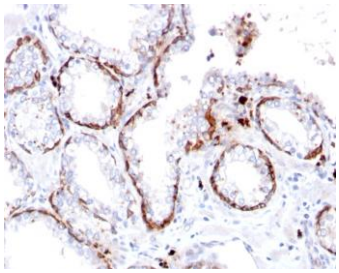
Package:

Description	Catalog No.	Size
Cytokeratin 15 Recombinant Concentrated	RM0076	1 ml
Cytokeratin 15 Recombinant Prediluted	RM0076RTU7	7 ml

IHC Procedure*:

Positive Control Tissue:	Skin, Skin cancer
Concentrated Dilution:	50-200
Pretreatment:	Tris EDTA pH9.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp:	30-60 minutes @ RT
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human prostate stained with anti-CK15 using DAB

References:

1. Discordance between histologic and visual assessment of tissue viability in excised burn wound tissue. Karim AS, et al. Wound Repair Regen N/A:N/A, 2018.
2. Epidermal E-Cadherin Dependent ß-Catenin Pathway Is Phytochemical Inducible and Accelerates Anagen Hair Cycling. Ahmed NS, et al. Mol Ther 25:2502-2512, 2017.
3. The expression profiles of acidic epithelial keratins in ameloblastoma. Pal SK, et al. Oral Surg Oral Med Oral Pathol Oral Radiol 115:523-31, 2013.

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