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DATA SHEET

Mouse Anti-Cytokeratin 13 [MD89]: MC0399, MC0399RTU7

Intended Use: For Research Use Only

Description: Keratins are a family of highly homologous proteins expressed as pairs of acidic and basic forms which make intermediate filaments in epithelial cells. Cytokeratin 13 (CK13) is the major acidic keratin, which together with CK4, its basic partner, is expressed in the suprabasal layers of non-cornified stratified epithelia including tongue mucosa, esophagus, anal canal epithelium, tracheal epithelium, uterine cervix, and urothelium. CK13 has been used as a marker for non-keratinized squamous epithelium. It is also expressed in various squamous metaplasia, but it is down regulated in squamous dysplasia and squamous carcinoma.

Specifications:

Clone:	MD89
Source:	Mouse
Isotype:	IgG1k
Reactivity:	Human
Immunogen:	Recombinant full-length human CK13 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., IF

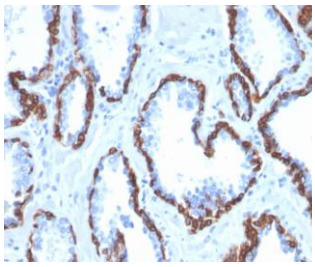
Package:

Description	Catalog No.	Size
Cytokeratin 13 Concentrated	MC0399	1 ml
Cytokeratin 13 Prediluted	MC0399RTU7	7 ml

IHC Procedure*:

Positive Control Tissue:	Esophagus
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 cancer stained with anti-CK13 using DAB

References:

1. Src is activated by the nuclear receptor peroxisome proliferator-activated receptor ß/d in ultraviolet radiation-induced skin cancer. Montagner A, et al. EMBO Mol Med 6:80-98, 2014.
2. IKKa restoration via EZH2 suppression induces nasopharyngeal carcinoma differentiation. Yan M, et al. Nat Commun 5:3661, 2014.
3. Evaluation of specific marker CK13 and CK10/13 combined with APM staining for the diagnosis of amniotic fluid embolism and aspiration. Wang J, et al. Forensic Sci Int 238:108-12, 2014.
4. Cellular heterogeneity in the mouse esophagus implicates the presence of a nonquiescent epithelial stem cell population. DeWard AD, et al. Cell Rep 9:701-11, 2014. I

Orders: customercare@medaysis.com Support: techsupport@medaysis.com Tel: 510-509-3153 www.medaysis.com