

**Mouse Anti-Cytokeratin 17 [E3]: MC0528, MC0528RTU7**

**Intended Use:** For Research Use Only

**Description:** CK17 is an intermediate filament protein expressed in the basal cells and myoepithelial cells of complex epithelia, including glandular epithelium with myoepithelial component, transitional and pseudostratified epithelia. CK17 is a marker in the identification of breast cancer with basal phenotype. Squamous cell carcinoma is also labeled by CK17 antibody. Antibody against CK17 may be an aid in distinguishing cholangiocarcinoma (CK17+) from hepatocellular carcinoma (CK17-). In combination with MUC1, CK17 antibody has been found to be useful in distinguishing pancreaticobiliary adenocarcinoma (CK17+) from extrapancreaticobiliary nonmucinous adenocarcinoma (CK17-).

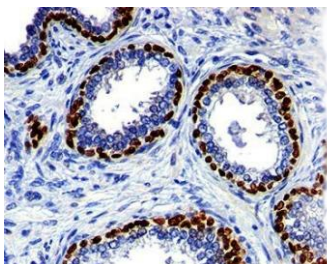
**Specifications:**

Clone: E3  
Source: Mouse  
Isotype: IgG2b/k  
Reactivity: Human  
Immunogen: Cytoskeletal fraction of rat colon epithelium  
Localization: Cytoplasm  
Formulation: Antibody in PBS pH7.4, containing BSA and  $\leq 0.09\%$  sodium azide (NaN<sub>3</sub>).  
Storage: Store at 2°- 8°C  
Applications: IHC, Flow Cyt., ICC/IF, WB  
Package:

Description	Catalog No.	Size
Cytokeratin 17 Concentrated	MC0528	1 ml
Cytokeratin 17 Prediluted	MC0528RTU7	7 ml

**IHC Procedure\*:**

Positive Control Tissue: Prostate (basal cells), SqCC  
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 bladder carcinoma stained with anti-CK17 using DAB

**References:**

1. Brush biopsy of human oral mucosal epithelial cells as a quality control of the cell source for fabrication of transplantable epithelial cell sheets for regenerative medicine. Kasai Y, et al. Regen Ther 4:71-77, 2016.
2. Identification of new dystroglycan complexes in skeletal muscle. Johnson EK, et al. PLoS One 8:e73224, 2013.
3. Tenascin-C and tenascin-W in whisker follicle stem cell niches: possible roles in regulating stem cell proliferation and migration. Tucker RP, et al. J Cell Sci 126:5111-5, 2013.

Doc. 100-MC0528  
Rev. A