

Mouse Anti-Cytokeratin 19 [BA17]: MC0529

Intended Use: For Research Use Only

Description: Cytokeratin polypeptide 19 (CK19) is a type I intermediate filament protein that is expressed in stratified and simple-type epithelia. CK19 is synthesized mainly in embryonic and adult simple epithelia, but has also been found in non-keratinizing stratified epithelia as well. CK19 is the smallest known keratin and is remarkable in that, contrary to all other keratins, it does not have a designated partner for the formation of filaments, implying that regulation of its expression is different from other keratin-encoding genes. CK19 antibody is a useful tool for the identification of epithelial tumors. It is helpful in distinguishing hepatocellular carcinoma (CK19-) from cholangiocarcinoma (CK19+) or metastatic carcinoma in liver (CK19+).

Specifications:

Clone: BA17
Source: Mouse
Isotype: IgG1
Reactivity: Human
Localization: Cytoplasm
Formulation: Antibody in PBS pH7.4, containing BSA, glycerol, and $\leq 0.09\%$ sodium azide (NaN₃).
Storage: Store at 2°- 8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles
Applications: IHC
Package:

Description	Catalog No.	Size
Cytokeratin 19 Concentrated	MC0529	1 ml

IHC Procedure*:

Positive Control Tissue: Colon, colon cancer
Concentrated Dilution: 50-200
Pretreatment: Citrate pH6.0, 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.