

Mouse anti-Cytokeratin 19 Monoclonal Antibody (Clone: CK 202)

Storage: 2-8°C

Catalog No: M3079 1ml
M3079 S 0.2ml
M3079 U 6ml

Intended Use and Background:

Mouse anti-Cytokeratin 19 antibody is intended for detection of Cytokeratin 19 antigen of human origin by immunohistochemistry or immunocytochemistry. : Cytokeratin 19 is a type I acidic subfamily of intermediate filament protein that is expressed in stratified and simple type epithelia. Keratin 19 is not expressed in hepatocytes; therefore, antibody to keratin 19 is useful in the identification of liver metastasis. The degree of keratin 19 positivity in breast cancer distinguishes malignant from benign tumors. Keratin 19 is often co-expressed with keratin 7.

Components:

Mouse anti-Cytokeratin 19 antibody is purified from mouse ascite and preserved in PBS buffer containing BSA and 0.1% sodium azide.

Host species: Mouse
Isotype: IgG1/k
Clone: CK 202
Immunogen: Human mammary epithelium, solubilized by detergent
Reacts with: Human, others not tested

Catalog No.	Format	Size
M3079	Concentrate	1 ml
M3079 S	Concentrate	0.2ml
M3079 U	Ready-to-use	6ml

Positive Control: Human breast carcinoma

Pretreatment required: Not required

Cellular Localization: Cytoplasmic

Application: immunohistochemistry (IHC), immunocytochemistry (ICC).

Recommended Protocol:

For concentrate antibody, the working dilution for formalin-fixed paraffin-embedded human tissue section is from 1:50-100 depending on the detection system used. Prediluted antibody is used directly without dilution. The optimal dilution needs to be determined by the investigator.

Manual staining procedure:

1. Deparaffinize slides.
2. Submerge slides in peroxidase quenching solution for 10 minutes and rinse with PBS 3 times, 2 minutes each.
3. Apply serum blocking solution (optional if use polymer detection system)
4. Apply primary antibody and incubate for 30-60 minutes at room temperature and rinse with PBS 3 times, 2 minutes each.
5. Apply secondary antibody conjugate and incubate according to the data sheet of detection system. Rinse with PBS 3 times, 2 minutes each.
6. Apply enzyme conjugate and incubate according to the data sheet of detection system. Rinse with PBS 3 times, 2 minutes each.
7. Apply chromogen and incubate 5-10 minutes and rinse with PBS.

Precaution:

Wear gloves and take other necessary laboratory safety procedure.

Storage: Store at 2-8°C.

Remarks: For research use only. Not for diagnostic or therapeutic use.