

Mouse anti-Cytokeratin 10+13 Monoclonal Antibody

Storage: 2-8°C

Catalog No: M3078 1ml
M3078S 0.2ml
M3078U 6ml

Intended Use and Background:

Mouse anti-Cytokeratin 10+13 antibody is intended for detection of Cytokeratin 10+13 antigen of human origin by immunohistochemistry or immunocytochemistry. Cytokeratins are intermediate filament keratins found in the intracytoplasmic cytoskeleton of epithelial tissue. Expression of the cytokeratins is frequently organ or tissue specific. There are two types of cytokeratins: the low weight, acidic type I cytokeratins and the high weight, basic or neutral type II cytokeratins. CK10 and CK13 are low molecular weight acidic cytokeratin.

Components:

Mouse anti-Cytokeratin 10+13 antibody is purified from mouse ascite and preserved in PBS buffer containing BSA and 0.1% sodium azide.

Host species: Mouse
Isotype: IgG2a
Clone: CK208
Immunogen: Cytokeratin extraction from human ectocervical epithelium
Reacts with: Human, others not tested

Catalog No.	Format	Size
M3078	Concentrate	1 ml
M3078S	Concentrate	0.2ml
M3078U	Ready-to-use	6ml

Positive Control: Human tonsil, tongue, or squamous cell 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.