

Mouse anti-Cytokeratin 8+18 Monoclonal Antibody

Storage: 2-8°C

Catalog No: M3084	1ml	<input type="checkbox"/>
M3084S	0.2ml	<input type="checkbox"/>
M3084U	6ml	<input type="checkbox"/>

Intended Use and Background:

Mouse anti-Cytokeratin 8+18 antibody is intended for detection of Cytokeratin 8+18 antigen of human origin by immunohistochemistry or immunocytochemistry. Cytokeratins are intermediate filament keratins found in the intracytoplasmic cytoskeleton of epithelial tissue. There are two types of Cytokeratins: the low weight, acidic type I cytokeratins and the high weight, basic or neutral type II. Cytokeratins are usually found in pairs comprising a type I Cytokeratin and a type II cytokeratin. The high molecular weight cytokeratins, which are the basic or neutral cytokeratins, comprise subtypes CK1, CK2, CK3, CK4, CK5, CK6, CK7, CK8 and CK9. The low molecular weight cytokeratins, which are the acidic cytokeratins, comprise subtypes CK10, CK12, CK13, CK14, CK16, CK17, CK18, CK19 and CK20.

This antibody recognizes all simple epithelia and glandular (thyroid, breast, GI tract, respiratory tract, urinary tract). Most squamous carcinomas and all adenocarcinomas are stained by this antibody and keratinizing squamous carcinomas are mostly negative.

Components:

Mouse anti-Cytokeratin 8+18 antibody is purified from mouse ascite and preserved in PBS buffer containing BSA and 0.1% sodium azide.

Host species: Mouse
Isotype: IgG1/ κ
Clone: CK 8+18 207
Immunogen: Purified keratins
Reacts with: Human, others not tested

Catalog No.	Format	Size
M3084	Concentrate	1 ml
M3084S	Concentrate	0.2ml
M3084U	Ready-to-use	6ml

Positive Control: Human breast, any GI tissue or skin

Pretreatment required: Heat Induced Epitope Retrieval (HIER) in Citrate buffer/pH6.0 may improve staining intensity.

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.