

Mouse anti-EMA Monoclonal Antibody

Storage: 2-8°C

Catalog No: M5011 1ml
M5011S 0.2ml
M5011U 6ml

Intended Use and Background:

Mouse anti-EMA antibody is intended for detection of epithelial membrane antigen (EMA) of human origin by immunohistochemistry and immunocytochemistry. Epithelial membrane antigen (EMA) is a member of a heterogeneous group of glycoproteins. EMA is present on the membrane of secretory epithelia. Antibodies to EMA have been shown to be useful as pan-epithelial markers to detect early metastatic loci of carcinoma in the bone marrow or liver.

Components:

Mouse anti-EMA 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: EMA201
Immunogen: human milk fat globule membranes
Reacts with: Human, others not tested

Catalog No.	Format	Size
M5011	Concentrate	1 ml
M5011S	Concentrate	0.2ml
M5011U	Ready-to-use	6ml

Positive Control: Human breast cancer or colon cancer

Pretreatment required: Not required

Cellular Localization: Cytoplasmic, cell membrane.

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.