

Epithelial Specific Antigen / Ep-CAM Ab-9

Catalog # MS-1898-S0, -S1, or -S (0.1ml, 0.5ml, or 1.0ml)

Catalog # MS-1898-R7 (7.0ml)

Catalog # MS-1898-PCS

INTENDED USE:

- **For In Vitro Diagnostic Use:** This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy.
- **Description:** Ab-9 reacts with a transmembrane glycoprotein present on most normal and malignant epithelia. Mesothelial cell derived tumors are rarely positive
- **Expected Staining Pattern:** Cell membrane
- **Positive Control:** Breast CA

MATERIALS PROVIDED:

Epithelial Specific Antigen / Ep-CAM Ab-9 (refer to catalog number):

- #MS-1898-S (or -S0, -S1): Tissue culture supernatant, concentrated, with 0.09% Sodium Azide.
or
- #MS-1898-R7: (7.0ml) of antibody prediluted in 0.05mol/L Tris-HCl, pH 7.6 containing stabilizing protein and 0.015mol/L sodium azide.
or
- #MS-1898--PCS: 5 positive control slides.
- **Antibody Concentration:** Not known
- **Host:** Mouse
- **Mol. Wt. of Antigen:** ~34kDa and 39kDa (Reducing); 39 and 41kDa (non-reducing); 31 and 36kDa (deglycosylated)
- **Epitope:** Not determined
- **Species Reactivity:** Human. Others not known.
- **Clone Designation:** Ber-EP4
- **Ig Isotype / Light Chain:** IgG1 / kappa
- **Immunogen:** MCF-7 human breast carcinoma cell line
- **Microbiological State:** This product is not sterile.

MATERIALS REQUIRED, BUT NOT PROVIDED:

- **Antibody Diluent:** For concentrated antibodies, the antibody must be diluted before using. Use Lab Vision Antibody Diluent (catalog # TA-125-UD). Refer to diluent product instructions for use.
- **Negative Control Reagent:** Refer to the "General Protocol" instructions.
- **Visualization System:** Refer to the "General Protocol" instructions.

METHODS AND PROCEDURES:

Specimen Preparation	Refer to the "General Protocol" instructions.
Dilution of Concentrated Antibody	1:10 in antibody diluent
Tissue Section Pretreatment	Staining of formalin-fixed tissue sections requires treating the tissue sections in pepsin at 1 mg/ml Tris-HCL, pH 2.0 (Lab Vision Catalog # AP-9007) for 15 minutes at room temperature or 10 minutes at 37C.
Primary Antibody Incubation Time	30 minutes at Room Temperature
Visualization	To detect antibody, follow the instructions provided with the visualization system.

STORAGE and STABILITY:

This product contains sodium azide and is stable for 24 months when stored at 2-8°C. Do not use after expiration date indicated on label of the product. If reagent is not stored as recommended, performance must be validated by the user.

REFERENCES:

- 1) Sheibani K, et al. (1991) Am J Surg Pathol, 15:779-784.
- 2) Hosch S, et al. (2000) Cancer Res, 60:6836-6840.
- 3) Beer T W, et al. (2000) Histopathology, 37:218-223.
- 4) Latza U, et al. (1990) J Clin Pathol, 43:213-219.
- 5) Momburg F, et al. (1987) Cancer Res, 47:2883-2891.
- 6) Carella R, et al. (2001) Am J Surg Pathol, 25:43-50.