

**Desmin (Muscle Cell Marker) Ab-1**

Catalog # MS-376-S0, -S1, or -S (0.1ml, 0.5ml, or 1.0ml)

Catalog # MS-376-R7 (7.0ml)

Catalog # MS-376-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:** Desmin is an intermediate filament protein of both smooth and striated muscles. Antibody to desmin reacts with striated (skeletal and cardiac) as well as smooth muscle cells. In skeletal and cardiac muscles, the staining is confined to the Z-bands giving a characteristic striated appearance. Anti-desmin antibody is useful in identification of tumors of myogenic origin. It reacts with leiomyosarcomas (smooth muscle) as well as rhabdomyosarcomas (striated muscle).
- **Expected Staining Pattern:** Cytoplasmic
- **Positive Control:** Muscle or Sarcoma

**MATERIALS PROVIDED:**

**Desmin (Muscle Cell Marker) Ab-1 (refer to catalog number):**

- #MS-376-S (or -S0, -S1): Tissue culture supernatant, concentrated, with 0.09% Sodium Azide.  
or
- #MS-376-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-376-PCS: 5 positive control slides.
- **Antibody Concentration:** Not known
- **Host:** Mouse
- **Mol. Wt. of Antigen:** 53kDa
- **Epitope:** Not determined
- **Species Reactivity:** Human, Baboon, Monkey, Cow, Cat, Dog, Hamster, Rat, and Chicken. Others-not known.
- **Clone Designation:** D33
- **Ig Isotype / Light Chain:** IgG1 / kappa
- **Immunogen:** Desmin from human muscle
- **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:**

<b>Specimen Preparation</b>	Refer to the "General Protocol" instructions.
<b>Dilution of Concentrated Antibody</b>	1:50-1:100 in antibody diluent
<b>Tissue Section Pretreatment</b>	No special pretreatment is required for immuno-histochemical staining of formalin-fixed tissues.
<b>Primary Antibody Incubation Time</b>	30 minutes at Room Temperature
<b>Visualization</b>	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) Van Muijen GN; et al. Laboratory Investigation, 1987 Oct, 57(4):359-69.
- 2) Virtanen I; et al. Anatomical Record, 1986 May, 215(1):10-20.