



**Category:** Monoclonal Antibodies      **Cat. #** V1016      **Product Name:** Vimentin - Purified Monoclonal

**Description:**

Monoclonal Mouse Anti- Vimentin antibody reacts with the 57 kD intermediate filament protein present in cells of mesenchymal origin. No cross-reactivity was observed with desmin, keratin, neurofilaments, and GFAP proteins. This antibody recognizes a wide variety of cells of mesenchymal origin.

**Immunogen:**

Purified Vimentin from porcine eye lens

**Cellular Localization:**

Cytoplasmic

**Application:**

Immunohistochemistry (Paraffin/Frozen) 1:25-1:40, IP (Native and Denatured)

**Species Reactivity:**

Human, Rat, Dog, Cat, Horse, Porcine, and Chicken. Others not tested.

**Recommended Positive Control:**

Melanoma

**Presentation:**

20 mM tris-borate, 150 mM Sodium Chloride, dialyzed media RPMI 1640/D-MEM containing fetal bovine serum, BMC-6 carrier polysaccharides, carrier protein, and 0.05% Sodium Azide, pH 7.5.

**Aliquoting Instructions:**

Do not dilute the entire reconstituted solution at once. Withdraw aliquots as needed with a micropipette and keep concentrated stock at 4° C. Dilute according to the particular application being used. In general, the 0.05M borate pH 8.0 containing 0.15M sodium chloride, 0.02% sodium azide, is a good diluent to use with most antibodies. Avoid diluting the entire contents of the vial at once since the diluted solution may have reduced stability.

**Staining Procedure:**

This antibody can be used on frozen tissue sections. The antibody may be used at a dilution of 1:50-1:100. The optimal conditions should be determined by the individual laboratory.

**Specificity:**

This antibody reacts with MHC Class I antigen (non-polymorphic determinant).

**Storage:**

Store at 2~8o C for short term, freeze under -20oC for long term storage

**Size:** 0.2mg

**Clone:** B320(V9)

**Isotype:** IgM

**Host:** Mouse

**Form:** Purified

**Concentration:** 0.5 mg/ml

**Units On Hand:** YES

**References:**

1. Osborn M, Debus E, Weber K, Eur J Cell Biol. 34, 137-43, 1984.
2. Battifora H. Am J Clin Pathol. 96, 669-71, 1991.
3. Azumi N, Battifora H. Am J Clin Pathol. 88, 286-96, 1987.

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**Contact: Antagene, Inc. | Tel: 1 (866) 964-2589 | Fax: 1 (888) 225-1868 | Email: Info@antageneinc.com**