

TECHNICAL INFORMATION



Catalog Number: 10515

Vimentin Monoclonal Antibody

Species: Mouse Monoclonal; Hybridoma: mouse myeloma cells SP 2/0 Ag14-BALB/c.

Clone: V9

Ig Class: IgG₁

Reagent: Culture supernatant

Immunogen: Isolated from Calf lens

Specificity: Immunoblotting: Antibody reacts with the 57 kD vimentin protein. Cross-reactivity with Vimentin in most mammals.

Note: The antibody reacts specifically with cells of mesenchymal origin, such as fibroblasts, endothelial cells, some smooth muscle cells, chondrocytes, lymphocytes, and blood cells. It can also be used for the diagnosis of malignant mesenchymal tumors such as lymphomas, melanomas, sarcomas, and also carcinomas. Most myosarcomas are positive.

Localization: Cytoplasm

Application:

- Frozen Sections/Cell Preparations; Paraffin Sections
- Pretreatment of paraffin sections is with protease digestion: Trypsin. (A microwave oven can also be used for pretreatment but the better pretreatment is with trypsin.)
- Note: Frozen Sections, fixation: acetone 5 minutes at -20°C.
- Paraffin Sections, fixation: formaldehyde.

Positive Control: Skin

Contents: 1.0 ML

Dilution:

- 1:10 (Indirect method, 30 minute incubation)
- Dilute immediately before use with PBS. Optimal dilution should be tested by serial dilution.

Storage: Store undiluted antibody at 2-8°C. For prolonged storage, store aliquots at -20°C.

Reference:

- Muyen G.N.P. van et al. Coexpression of Intermediate Filament Polypeptides in Fetal and Adult Tissues (1987). Lab. Invest.

57, 4,359-369.

Note: This product may contain a preservative such as sodium azide, thimerosal or proclin. Please see lot specific chemical credential for preservative information.

[If a titer/working dilution is not given above, please click here to see a general dilution chart for working with antibodies. Please note that the general dilution chart should only be used as a guideline. Each lab should determine their own optimal working dilution.](#)

[Will this antibody work with your application? Please click here to see a general chart of antibody applications. Please note that any information given above is primary application data. The general applications charts should only be used as a reference.](#)