



PRODUCT DATA SHEET

Product: Anti-Vimentin mAb, clone V9

Cat. No.: MC-892 (1 mL)

Specificity:

Vimentin is the major subunit protein of the intermediate filaments of mesenchymal cells, and has a molecular weight of 57 kDa. Immunohistochemical staining for Vimentin is thus characteristic of sarcomas (of neural, muscle and fibroblast origin) compared to carcinomas which are generally negative. Melanomas, lymphomas and vascular tumors may all stain for Vimentin. Vimentin antibodies are thus of value in the differential diagnosis of malignant tumors, generally used with a panel of other antibodies including those recognizing cytokeratins, lymphoid markers, S100, desmin and neurofilaments. The antibody stains the 57 kDa vimentin band in immunoblots performed on a lysate of normal human lymphocytes. No detectable cross-reactivity with GFAP, Keratin, Neurofilament or Desmin.

Ig Isotype:

Mouse IgG₁

Species Reactivity:

Human. Does not stain mouse or rat vimentin. Others not tested.

Format:

1 mL of purified monoclonal antibody at approximately 30 µg/mL in PBS containing 20 mM sodium azide, and protein stabilizer.

Storage:

Store at 4°C.

Applications:

- Immunohistochemistry: For use on frozen sections and formalin-fixed/paraffin-embedded tissues if pre-treated with trypsin. Paraffin sections: Use at an approximate dilution of 1:50 – 1:100 in PBS. Trypsin digestion may be required. Frozen sections: Use at an approximate dilution of 1:300 in PBS.
- Western blot

The optimal dilution for a specific application should be determined by the researcher.

Limitations:

For *in vitro* research use only. Not for use in diagnostics or in humans.

Warranty:

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.