

MONOCLONAL ANTIBODY **Vimentin**

Cat. No.	Form	Quantity	Presentation
1074	Pre-diluted	6 ml	Ready-to-use

**Clone** V9

**Isotype** IgG1 (mouse)

**Immunogen** Purified vimentin from porcine eye lens (1).

**Specificity** The antibody reacts with the vimentin 57 kDa intermediate filament protein. There is no cross-reaction with other intermediate filament proteins such as cytokeratin, desmin, neurofilaments and glial fibrillary acidic protein.

**Normal tissue:** V9 antibody reacts with cells of mesenchymal origin. Fibroblasts, smooth muscle cells and endothelial cells are stained by this antibody. In normal tissues, some cells coexpress vimentin and their own specific intermediate filaments, e.g. the vascular smooth muscle cells contain vimentin and desmin; the glial cells contain vimentin and glial fibrillary acidic protein (1-8).

**Tumor tissues:** Studies have shown that V9 reacts with a variety of tumors. Many of these coexpress other intermediate filaments, e.g. thyroid carcinomas and pleomorphic adenomas of the salivary glands express vimentin and cytokeratin (1-8).

**Staining pattern:** cytoplasm

**Positive Control** Connective tissue from any organ.

**Applications** Immunohisto and cytochemical staining of vimentin in undifferentiated tumors.

**Buffer** 50 mM Tris-HCl, 0.15 M NaCl, pH 7.4 containing 1 mg/ml bovine serum albumin and 0.1% sodium azide. The buffer contains a green dye.

**Storage** The antibody solution should be stored at 2-8°C.

**Recommended Procedure** **Paraffin section:** V9 antibody is ready for use on cytological samples, frozen sections, and routinely fixed (B5, Bouin's, Dubosq-Brasil, Zenker's and formalin), paraffin-embedded tissue sections. Process immunostaining according to previously described methods (8).

**Enzyme digestion is not recommended and may reduce the staining intensity.**

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FOR RESEARCH USE ONLY - NOT FOR USE IN DIAGNOSTIC PROCEDURES



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**References**

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