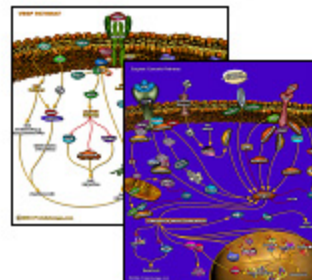


Calbiochem®

Data Sheet IF01 Rev. 8-April-2008 JSW

Anti-Vimentin/LN6 (Ab-1) Mouse mAb (V-9)
Cat. No. IF01

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Note that this data sheet is not lot-specific and is representative of the current specifications for this product. Please consult the vial label and the certificate of analysis for information on specific lots. Also note that shipping conditions may differ from storage conditions. Full details are available at www.calbiochem.com.

Size:	15 µg
Applications:	Frozen sections (1-5 µg/ml) Immunoblotting (1-5 µg/ml) Immunofluorescence (1-5 µg/ml, indirect) Paraffin sections (1-5 µg/ml)
Description:	Purified mouse monoclonal antibody generated by immunizing BALB/c mice with the specified immunogen and fusing splenocytes with PA1 mouse myeloma cells. Recognizes the ~58 kDa vimentin protein.
Background:	Intermediate (10 nm) filaments are present in, and provide information concerning the origin of most vertebrate cells. At present, five major cell types can be distinguished by their intermediate filament components. These include epithelial cells (cytokeratins), neurons (neurofilaments), glial cells (GFA), skeletal, visceral and certain vascular smooth muscle cells (desmin) and various nonepithelial cells, including cells of mesenchymal origin (vimentin). A few well-defined cell types coexpress vimentin along with one other intermediate filament type. Vimentin (Ab-1) stains the vimentin subclass of intermediate filaments in human tissues.
Host:	Mouse
Immunogen:	Purified porcine vimentin
Clone:	V-9
Isotype:	IgG ₁
Known Species Reactivity:	Chicken, human, porcine, rat
Does Not React With:	Mouse
Positive Control:	HeLa, IMR90, or WI38 cells
Negative Control:	CEM-CCRF cells
Form:	Liquid
Formulation:	In 50 mM sodium phosphate buffer, 0.2% gelatin. Please see label for lot-specific concentration.

Preservative: ≤0.1% sodium azide

Storage: 2 to 8°C. Do not freeze.

Toxicity: MSDS available upon request.

Comments: Does not cross-react with closely related intermediate filament proteins including desmin and GFA (see application references). This antibody stains intermediate filaments found in chondrocytes, fibroblasts, and connective tissue cells, as well as those found in fibroblast-derived cell lines (such as human WI38) and in certain classes of human tumors, including malignant melanomas (see application references). Antibody should be titrated for optimal results in individual systems.

References: Droese, M., et al. 1984. *Acta. Cytol.* **28**, 368.
 Osborn, M., et al. 1984. In *Cancer Cells 1, The Transformed Phenotype*. Cold Spring Harbor Lab., 191.
 Geisler, N., et al. 1983. *FEBS* **163**, 22.
 Osborn, M. and Weber, K. 1983. *Lab. Invest.* **48**, 372.
 Altmannsberger, M., et al. 1982. *Lab. Invest.* **46**, 520.
 Lazarides, E. 1982. *Ann. Rev. Biochem.* **51**, 219.
 Osborn, M. and Weber, K. 1982. *Cell* **31**, 303.

Application References: **Cross-Reactivity**
 Osborn, M., et al. 1984. *Eur. J. Cell Biol.* **34**, 137.
Immunostaining
 Caselitz, J., et al. 1983. *Virch. Arch.* **400**, 43.

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