

Product datasheet for **BM5050S**

Vimentin (VIM) Mouse Monoclonal Antibody [Clone ID: V9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	V9
Applications:	IHC, WB
Recommended Dilution:	Western blotting. Immunohistochemistry on Frozen Sections: ~1/300 in PBS Immunohistochemistry on Formalin-Fixed, Paraffin Embedded Sections: ~1/50-1/100. Trypsin digestion of Paraffin Sections may be required. An excellent result on paraffin embedded tissues could be obtained with a TUF pretreatment. Positive Control: Sarcoma or Melanoma.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Vimentin isolated from Cow lens.
Specificity:	The antibody clone V9 stains the 57 kD Vimentin band in Immunoblots performed on a lysate of normal Human lymphocytes. It does not stain Mouse or Rat Vimentin. The antibody stains all cells containing Vimentin. Cross reactivity: GFAP: not detectable. Keratin : not detectable. Neurofilamen: not detectable. Desmin: not detectable. Cellular Localization: Cytoplasmic.
Formulation:	PBS State: Supernatant State: Liquid purified Supernatant Stabilizer: 1% BSA Preservative: 20 mM Sodium Azide



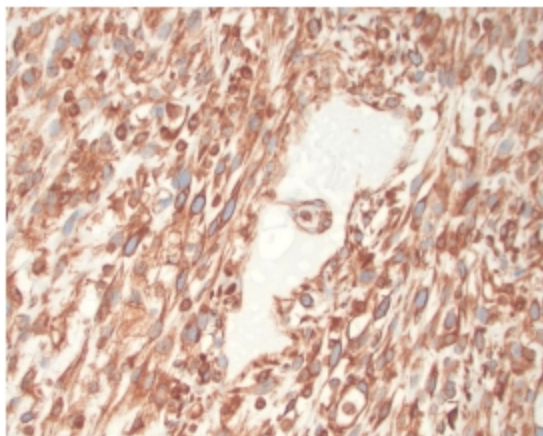
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Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C.
Stability:	Shelf life: One year from despatch.
Gene Name:	vimentin
Database Link:	Entrez Gene 7431 Human P08670

Background: Vimentin is the major subunit protein of the intermediate filaments of mesenchymal cells, and has a molecular weight of 57 kD. 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.

Synonyms: VIM

Product images:



Formalin-Fixed, Paraffin-Embedded Human solid fibrous tumor stained with anti-Vimentin antibody using peroxidase conjugate and DAB chromogen. Note the cytoplasmic staining of tumor cells.