

## 36-3364: Anti-Vimentin (Mesenchymal Cell Marker) Monoclonal Antibody(Clone: V9)

|                                |                   |
|--------------------------------|-------------------|
| <b>Clonality :</b>             | Monoclonal        |
| <b>Clone Name :</b>            | V9                |
| <b>Application :</b>           | IHC,FACS,WB,IF    |
| <b>Reactivity :</b>            | Human             |
| <b>Gene :</b>                  | VIM               |
| <b>Gene ID :</b>               | 7431              |
| <b>Uniprot ID :</b>            | P08670            |
| <b>Alternative Name :</b>      | VIM               |
| <b>Isotype :</b>               | Mouse IgG1, kappa |
| <b>Immunogen Information :</b> | Porcine Lens      |

### Description

This MAb reacts with a 58kDa protein identified as vimentin. It shows no cross-reaction with other closely related intermediate filament proteins (IFP's) such as desmin, keratin, neurofilament, and glial fibrillary acid protein. Anti-vimentin alone is of limited value as a diagnostic tool; however, when used in panels with other antibodies, it is useful for the sub-classification of a given tumor. Expression of vimentin, when used in conjunction with anti-keratin, is helpful when distinguishing melanomas from undifferentiated carcinomas and large cell lymphomas. All melanomas and Schwannomas react strongly with anti-vimentin. It labels a variety of mesenchymal cells, including melanocytes, lymphocytes, endothelial cells, and fibroblasts. Non-reactivity of anti-vimentin is often considered more useful than its positive reactivity, since there are a few tumors that do not contain vimentin, e.g. hepatoma and seminoma. Anti-vimentin is also useful as a tissue process control reagent.

### Product Info

|                            |   |
|----------------------------|---|
| <b>Amount :</b>            | 20 µg / 100 µg  |
| <b>Content :</b>           | 200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml. |
| <b>Storage condition :</b> | Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.                               |

### Application Note

Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Western Blot (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes);

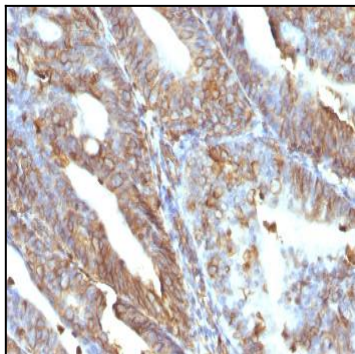


Fig. 1: Formalin-fixed, paraffin-embedded human Uterine Carcinoma stained with Vimentin Mouse Monoclonal Antibody (V9).

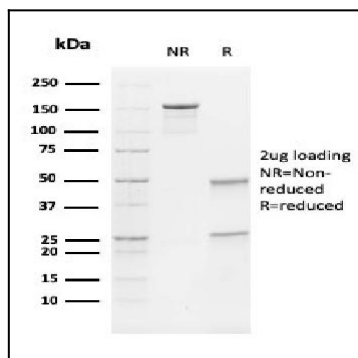


Fig. 2: SDS-PAGE Analysis Purified Vimentin Mouse Monoclonal Antibody (V9). Confirmation of Integrity and Purity of Antibody.

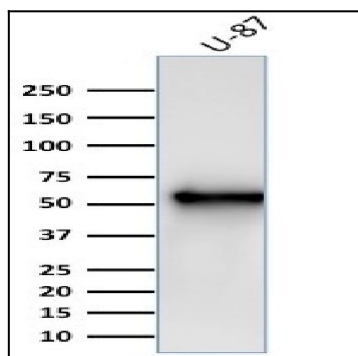


Fig. 3: Western Blot Analysis of U-87 cell lysate using Vimentin Mouse Monoclonal Antibody (V9).