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36-3366: Anti-Vimentin (Mesenchymal Cell Marker) Monoclonal Antibody(Clone: VIM/1937R)

Clonality :	Monoclonal
Clone Name :	VIM/1937R
Application :	IHC,FACS,WB,IF
Reactivity :	Human
Gene :	VIM
Gene ID :	7431
Uniprot ID :	P08670
Alternative Name :	VIM
Isotype :	Rabbit IgG
Immunogen Information :	Recombinant full-length human Vimentin protein

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

Amount :	20 µg / 100 µg
Content :	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.
Storage condition :	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);

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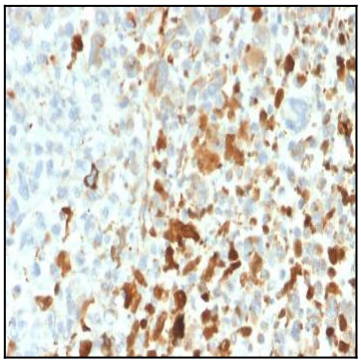


Fig. 1: Formalin-fixed, paraffin-embedded human Melanoma stained with Vimentin Rabbit Recombinant Monoclonal Antibody (VIM/1937R).

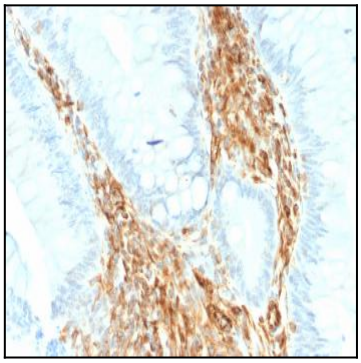


Fig. 2: Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with Vimentin Rabbit Recombinant Monoclonal Antibody (VIM/1937R).

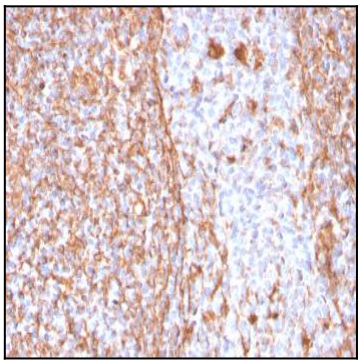


Fig. 3: Formalin-fixed, paraffin-embedded human Tonsil stained with Vimentin Rabbit Recombinant Monoclonal Antibody (VIM/1937R).

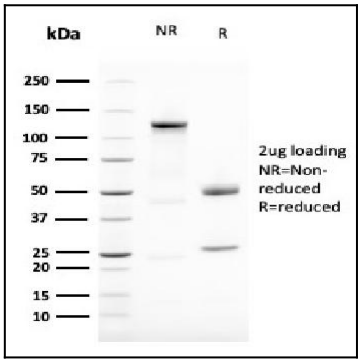


Fig. 4: SDS-PAGE Analysis Purified Vimentin Mouse Monoclonal Antibody (VIM/1937R). Confirmation of Purity and Integrity of Antibody.

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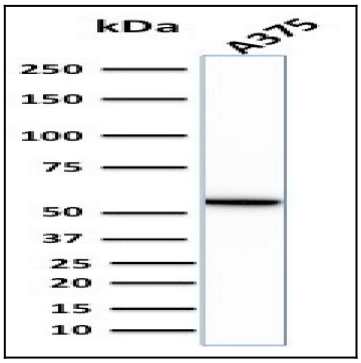


Fig. 5: Western Blot Analysis of human A375 cell lysate using Vimentin Rabbit Recombinant Monoclonal Antibody (VIM/1937R).

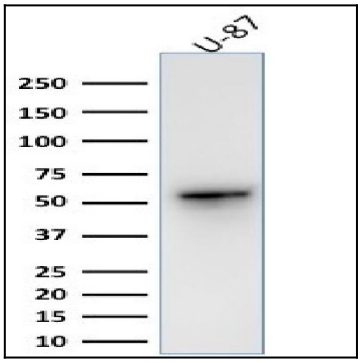


Fig. 6: Western Blot Analysis of human U-87 cell lysate using Vimentin Rabbit Recombinant Monoclonal Antibody (VIM/1937R).

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