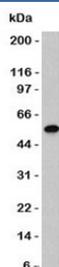


## Vimentin Antibody [clone VIM66-1] (V7003)

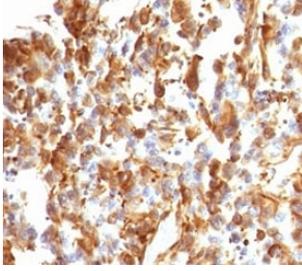
| Catalog No.    | Formulation   | Size   |
|----------------|---|--------|
| V7003-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide                      | 100 ug |
| V7003-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide                      | 20 ug  |
| V7003SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free  | 100 ug |
| V7003IHC-7ML   | Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only* | 7 ml   |

[Bulk quote request](#)

|                           |  |
|---------------------------|--|
| <b>Species Reactivity</b> | Human  |
| <b>Format</b>             | Purified   |
| <b>Host</b>               | Mouse  |
| <b>Clonality</b>          | Monoclonal (mouse origin)  |
| <b>Isotype</b>            | Mouse IgG1, kappa  |
| <b>Clone Name</b>         | VIM66-1  |
| <b>Purity</b>             | Protein G affinity chromatography  |
| <b>Buffer</b>             | 1X PBS, pH 7.4   |
| <b>UniProt</b>            | P08670   |
| <b>Localization</b>       | Cytoplasmic  |
| <b>Applications</b>       | Western Blot : 1-2ug/ml<br>Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT (1)<br>Prediluted IHC Only Format : incubate for 30 min at RT (2) |
| <b>Limitations</b>        | This Vimentin antibody is available for research use only.   |



Western blot testing of Vimentin antibody (clone VIM66-1) and Raji cell lysate. Predicted molecular weight ~58 kDa.



IHC analysis of FFPE human melanoma stained with Vimentin antibody (clone VIM66-1).

## Description

Vimentins are class-III intermediate filaments found in various non-epithelial cells, especially mesenchymal cells. Vimentin is attached to the nucleus, endoplasmic reticulum, and mitochondria, either laterally or terminally. It is involved with LARP6 in the stabilization of type I collagen mRNAs for CO1A1 and CO1A2. [UniProt]

## Application Notes

Titering of the Vimentin antibody may be required for optimal performance.

1. FFPE testing requires sections to be boiled in pH 9 10mM Tris with 1mM EDTA for 10-20 minutes, followed by cooling at RT for 20 minutes, prior to staining.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

## Immunogen

Full length human recombinant protein was used as the immunogen for the Vimentin antibody.

## Storage

Store the Vimentin antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

## Alternate Names

Vimentin antibody, VIM antibody, mesenchymal marker antibody, intermediate filament protein antibody, inflammation marker antibody, immune response marker antibody, stromal activation marker antibody