

# Biotin-conjugated Vimentin Monoclonal antibody

Catalog Number: Biotin-60330

## Basic Information

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|--|--|---|
| <b>Catalog Number:</b><br>Biotin-60330                         | <b>GenBank Accession Number:</b><br>BC000163 | <b>Purification Method:</b><br>Protein G purification |
| <b>Size:</b><br>100ul , Concentration: 1000 ug/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>7431                | <b>CloneNo.:</b><br>3H9D1                             |
| <b>Source:</b><br>Mouse  | <b>ENSEMBL Gene ID:</b><br>ENSG00000026025   | <b>Recommended Dilutions:</b><br>IHC 1:50-1:500       |
| <b>Isotype:</b><br>IgG1  | <b>UNIPROT ID:</b><br>P08670                 |   |
| <b>Immunogen Catalog Number:</b><br>AG0489                     | <b>Full Name:</b><br>vimentin                |   |
|  | <b>Calculated MW:</b><br>466 aa, 54 kDa      |   |

## Applications

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|--|--|
| <b>Tested Applications:</b><br>IHC   | <b>Positive Controls:</b><br>IHC : human tonsillitis tissue, human liver cancer tissue |
| <b>Species Specificity:</b><br>human, mouse, rat   |  |
| <b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b> |  |

## Background Information

Vimentin, also named as VIM, belongs to the intermediate filament family. Vimentin is class-III intermediate filaments found in various non-epithelial cells, especially mesenchymal cells. Vimentin is important for stabilizing the architecture of the cytoplasm. Monocyte-derived macrophages secrete vimentin into the extracellular space in vitro. Secretion of vimentin was enhanced by the proinflammatory cytokine tumor necrosis factor-alpha (TNFα; 191160) and inhibited by the antiinflammatory cytokine IL10 (124092), suggesting that vimentin is involved in the immune response. Vimentin has specialized functions that contribute to specific dynamic cellular processes. And this antibody is conjugated with biotin.

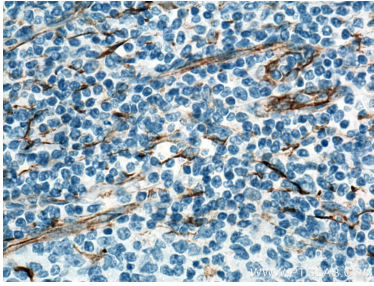
## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

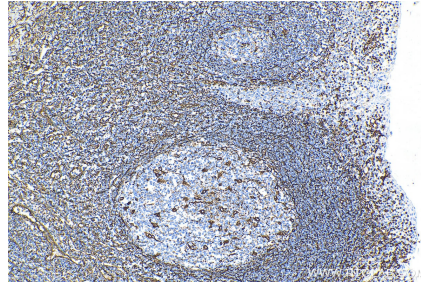
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using Biotin-60330 (Vimentin antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using Biotin-60330 (Vimentin antibody) at dilution of 1:100 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).