

# Biotin-conjugated Vimentin Monoclonal antibody

Catalog Number: **Biotin-60330**

## Basic Information

Catalog Number: Biotin-60330	GenBank Accession Number: BC000163	Purification Method: Protein G purification
Size: 2000 µg/ml	GeneID (NCBI): 7431	CloneNo.: 3H9D1
Source: Mouse	ENSEMBL Gene ID: ENSG00000026025	Recommended Dilutions: IHC 1:50-1:500
Isotype: IgG1	UNIPROT ID: P08670	
Immunogen Catalog Number: AG0489	Full Name: vimentin	
	Calculated MW: 466 aa, 54 kDa	

## Applications

Tested Applications: IHC	Positive Controls: IHC : human tonsillitis tissue, human liver cancer tissue
Species Specificity: 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>	

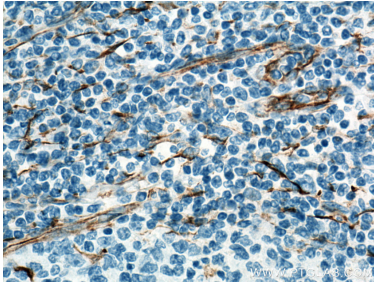
## Background Information

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.

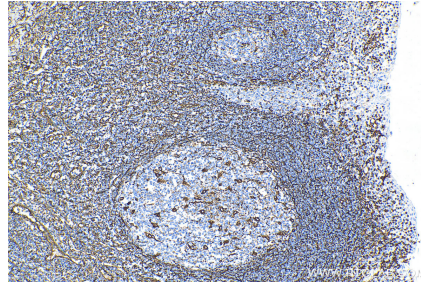
## Storage

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

## 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).