

For Research Use Only

# CoraLite®594-conjugated Vimentin Monoclonal antibody



Catalog Number:CL594-60330

2 Publications

## Basic Information

Catalog Number: CL594-60330	GenBank Accession Number: BC000163	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 7431	CloneNo.: 3H9D1
Source: Mouse	Full Name: vimentin	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG1	Calculated MW: 466 aa, 54 kDa	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG0489		

## Applications

Tested Applications: FC (Intra), IF	Positive Controls: IF : HepG2 cells,
Cited Applications: IF	
Species Specificity: human, mouse, rat	
Cited Species: human, rat	

## 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 (TNFA; 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. As a phosphoprotein, 55-60 kDa of vimentin proteins can be observed due to the different phosphorylation level. The antibody is conjugated with CL594, Ex/Em 593 nm/614 nm.

## Notable Publications

Author	Pubmed ID	Journal	Application
Maidinaimu Abudula	35557941	Front Cell Dev Biol	IF
Yang Luo	38024845	Mater Today Bio	IF

## Storage

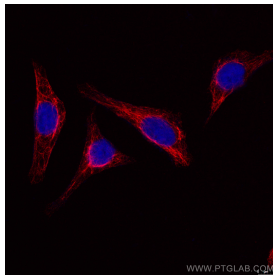
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

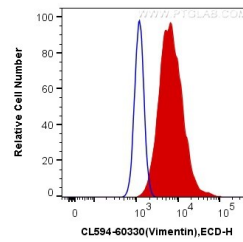
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CL594-60330 (Vimentin antibody) at dilution of 1:100.



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug CoraLite®594 Anti-Human Vimentin (CL594-60330, Clone:3H9D1) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).