For Research Use Only

CoraLite®488-conjugated Vimentin Monoclonal antibody

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Catalog Number:CL488-60330 1 Publications

Basic Information

Catalog Number:
CL488-60330

Size:
100ul , Concentration: 1000 µg/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG0489

GenBank Accession Number:
BC000163

GeneID (NCBI):
7431

Full Name:
vimentin

Calculated MW:
466 aa, 54 kDa

Purification Method:
Protein G purification

CloneNo.:
3H9D1

Recommended Dilutions:
IF 1:200-1:800

Excitation/Emission maxima wavelengths:
488 nm / 515 nm

Applications

Tested Applications:
FC (Intra), IF

Cited Applications:
IF, IHC

Species Specificity:
human, mouse, rat

Cited Species:
mouse

Positive Controls:

IF : HepG2 cells, human tonsillitis tissue

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 CL488, Ex/Em 488 nm/515 nm.

Notable Publications

Author	Pubmed ID	Journal	Application
Feng Zheng	33760044	J Mol Cell Biol	IHC, IF

Storage

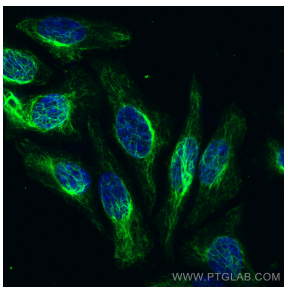
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

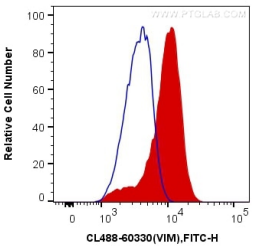
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

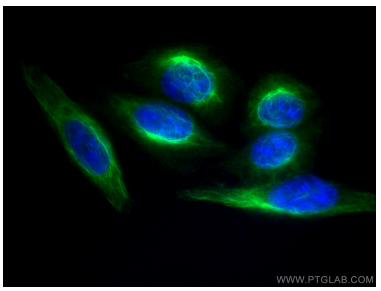
Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using CoraLite®488 Vimentin antibody (CL488-60330, Clone: 3H9D1) at dilution of 1:400.



1X10^6 Jurkat cells were intracellularly stained with 0.4 ug CoraLite®488 Anti-Human Vimentin (CL488-60330, Clone:3H9D1) (red), or 0.4 ug Mouse IgG1 Isotype Control (CL488-66360, Clone: T1F8D3F10) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



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