

For Research Use Only

# MYDGF/C19orf10 Monoclonal antibody

Catalog Number: 68131-1-Ig



## Basic Information

<b>Catalog Number:</b> 68131-1-Ig	<b>GenBank Accession Number:</b> BC010129	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 56005	<b>CloneNo.:</b> 1H8F4
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q969H8	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:500-1:2000 IF/ICC 1:400-1:1600
<b>Isotype:</b> IgG1	<b>Full Name:</b> chromosome 19 open reading frame 10	
<b>Immunogen Catalog Number:</b> AG13438	<b>Calculated MW:</b> 173 aa, 19 kDa	
	<b>Observed MW:</b> 15-19 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF/ICC, FC (Intra), ELISA

**Species Specificity:**  
human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB:** A549 cells, LNCaP cells, HeLa cells, HepG2 cells, Jurkat cells, K-562 cells, HSC-T6 cells, NIH/3T3 cells

**IHC:** human liver cancer tissue,

**IF/ICC:** HepG2 cells,

## Background Information

Myeloid-derived growth factor (MYDGF), also named as chromosome 19 open reading frame 10 (C19orf10), is an FLS-derived protein that is secreted into the synovial fluid. MYDGF as a paracrine-acting protein secreted from monocytes/macrophages that improves tissue repair and heart function after myocardial infarction. MYDGF has been reported to regulates neutrophil motility in interstitial tissue damage (PMID: 34047769).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

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

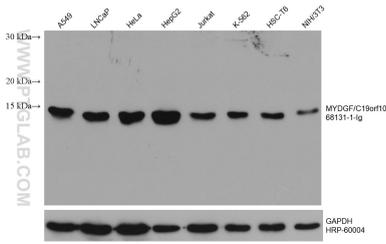
For technical support and original validation data for this product please contact:

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.

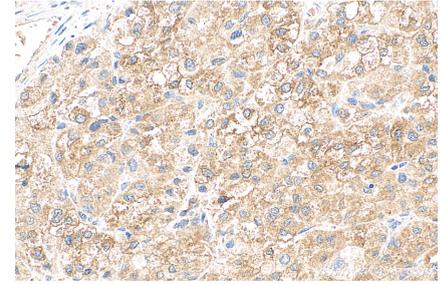
## Selected Validation Data



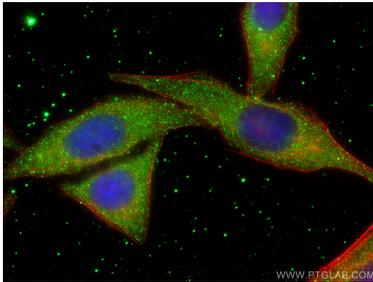
Various lysates were subjected to SDS PAGE followed by western blot with 68131-1-Ig (MYDGF/C19orf10 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



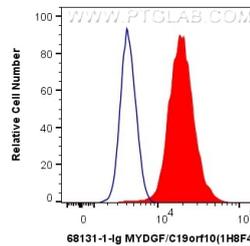
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 68131-1-Ig (MYDGF/C19orf10 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 68131-1-Ig (MYDGF/C19orf10 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using MYDGF/C19orf10 antibody (68131-1-Ig, Clone: 1H8F4) at dilution of 1:800 and CoraLite@488-Conjugated Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).



1x10<sup>6</sup> HepG2 cells were intracellularly stained with 0.4 ug Anti-Human MYDGF/C19orf10 (68131-1-Ig, Clone:1H8F4) and CoraLite@488-Conjugated Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG1 Isotype Control (MOPC-21) (65124-1-Ig, Clone: MOPC-21) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).