

À des fins de recherche uniquement

# Anticorps Monoclonal anti-CD31

Numéro de catalogue: 66065-2-Ig **26 Publications**



## Informations de base

|  |  |   |
|--|--|---|
| Numéro de catalogue:<br>66065-2-Ig                           | Numéro d'acquisition GenBank:<br>BC022512                      | Méthode de purification:<br>Purification par protéine A                             |
| Taille:<br>150ul , Concentration: 1000 µg/ml by<br>Nanodrop; | Identification du gène (NCBI):<br>5175                         | CloneNo.:<br>3F8E2  |
| Hôte:<br>Mouse   | Nom complet:<br>platelet/endothelial cell adhesion<br>molecule | Dilutions recommandées:<br>WB 1:5000-1:50000<br>IHC 1:5000-1:20000<br>IF 1:50-1:500 |
| Isotype:<br>IgG1   | MW calculé<br>83 kDa   |   |
| Immunogen Catalog Number:<br>AG19730                         | MW observés:<br>120-130 kDa                                    |   |

## Applications

Applications testées:  
FC, IF, IHC, WB, ELISA

Demandes citées:  
IF, IHC, WB

Spécificité de l'espèce:  
Humain

Espèces citées:  
Humain

Contrôles positifs:

WB : plaquettes de sang périphérique humain, cellules Jurkat, cellules THP-1

IHC : tissu de cancer du foie humain, tissu d'amygdalite humain, tissu de cancer du sein humain

IF : tissu placentaire humain, tissu de cancer du foie humain

**Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (\*) À défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.**

## Informations générales

Platelet endothelial cell adhesion molecule-1 (PECAM-1, CD31) is a member of the immunoglobulin gene superfamily of cell adhesion molecules. CD31 is a transmembrane glycoprotein that is highly expressed on the surface of the endothelium, making up a large portion of its intracellular junctions. PECAM-1 is also present on the surface of hematopoietic cells and immune cells including platelets, monocytes, neutrophils, natural killer cells, megakaryocytes and some types of T-cell (PMID: 9011572). As well as its role in cell-cell adhesion, PECAM-1 functions as a signaling receptor, and is involved in important physiological events such as nitric oxide production, regulation of T-cell immunity and tolerance, leukocyte transendothelial migration and inflammation and angiogenesis (PMID: 21183735; 20978210; 17872453; 20634489).

## Publications notables

| Autrice            | Pubmed ID | Journal                            | Application |
|--------------------|-----------|------------------------------------|-------------|
| Qianlei Zhao       | 36129348  | ACS Chem Neurosci                  | IF          |
| Folnetti A Alvarez | 36114323  | Breast Cancer Res Treat            | WB          |
| Jianjun Ma         | 36368650  | Biochim Biophys Acta Mol Basis Dis | IF          |

## Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

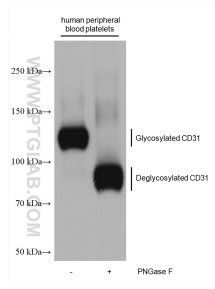
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

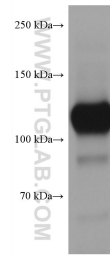
E: proteintech@ptglab.com  
W: ptglab.com

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

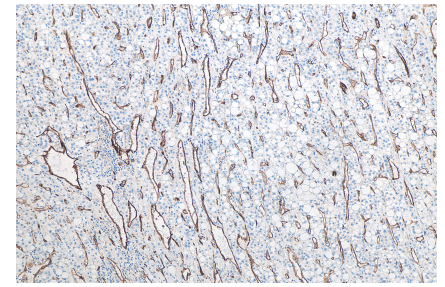
## Données de validation sélectionnées



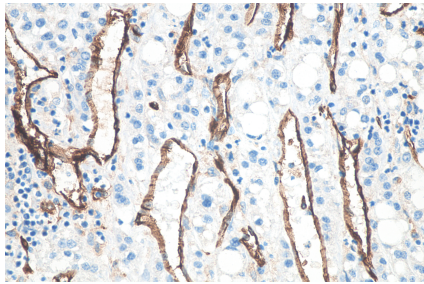
Untreated and PNGase F-treated lysates of human peripheral blood platelets were subjected to SDS PAGE followed by western blot with 66065-2-Ig (CD31 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. PNGase F was obtained from Atagenix (cat.NO. ata808).



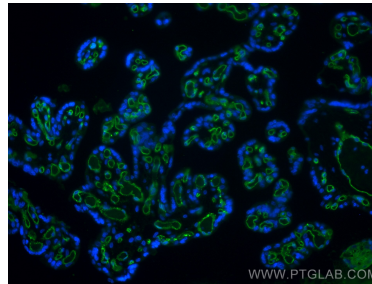
human peripheral blood platelets were subjected to SDS PAGE followed by western blot with 66065-2-Ig (CD31 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



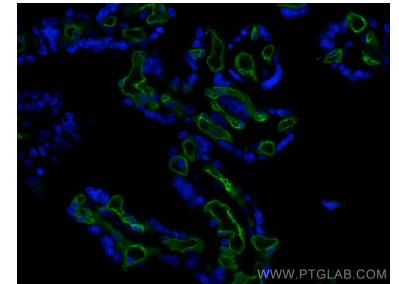
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66065-2-Ig (CD31 antibody) at dilution of 1:10000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



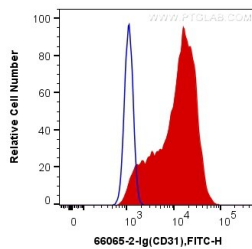
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66065-2-Ig (CD31 antibody) at dilution of 1:10000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



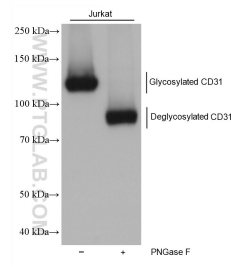
Immunofluorescent analysis of (4% PFA) fixed human placenta tissue using CD31 antibody (66065-2-Ig, Clone: 3F8E2) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human placenta tissue using CD31 antibody (66065-2-Ig, Clone: 3F8E2) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



1x10<sup>6</sup> THP-1 cells were surface stained with 0.4 ug Anti-Human CD31 (66065-2-Ig, Clone:3F8E2) and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were not fixed.



Untreated and PNGase F-treated lysates of Jurkat cells were subjected to SDS PAGE followed by western blot with 66065-2-Ig (CD31 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.