

Nur für Forschungszwecke

# CD31 Monoklonaler Antikörper

Katalog-Nr.:CL488-65058



## Allgemeine Informationen

|                                       |   |  |
|---------------------------------------|---|--|
| <b>Katalog-Nr.:</b><br>CL488-65058    | <b>GenBank-Zugangsnummer:</b><br>BC008519                                   | <b>Reinigungsmethode:</b><br>Affinitätsreinigung                   |
| <b>Größe:</b><br>100tests , 5 µl/test | <b>GeneID (NCBI):</b><br>18613  | <b>CloneNo.:</b><br>390  |
| <b>Wirt:</b><br>Ratte                 | <b>Vollständiger Name:</b><br>platelet/endothelial cell adhesion molecule 1 | <b>Empfohlene Verdünnungen:</b><br>IF 1:50-1:500                   |
| <b>Isotyp:</b><br>IgG2a               |   | <b>Anregungs-/Emissionsmaxima-Wellenlängen:</b><br>493 nm / 522 nm |

## Anwendungen

|  |  |
|--|--|
| <b>Geprüfte Anwendungen:</b><br>FC, IF | <b>Positivkontrollen:</b><br>IF : bEnd.3-Zellen, |
| <b>Getestete Reaktivität:</b><br>Maus  |  |

## Hintergrundinformationen

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).

## Lagerung

**Lagerungsbedingungen:**  
Bei 2-8°C lagern. Vor Licht schützen.  
**Lagerungspuffer:**  
PBS mit 0,1% Natriumazid und 0,5% BSA, pH 7,3.

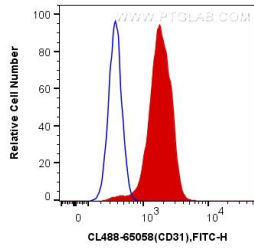
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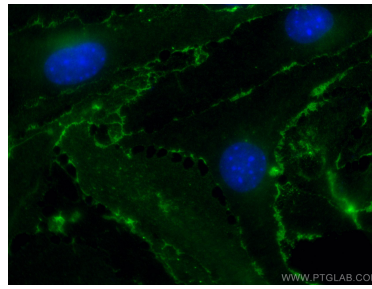
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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## Ausgewählte Validierungsdaten



$1 \times 10^6$  C57BL/6 mouse splenocytes were surface stained with 5  $\mu$ l CoraLite® Plus 488 Anti-Mouse CD31 (CL488-65058, Clone: 390) (red) or isotype control. Cells were not fixed.



Immunofluorescent analysis of (4% PFA) fixed bEnd.3 cells using CoraLite® Plus 488 CD31 antibody (CL488-65058, Clone: 390) at dilution of 1:100.