

## Anti-CD31/Pecam1 Antibody Picoband® Fluoro488 Conjugated

Catalog Number: A01513-1-Fluoro488

### About Pecam1

CD31 also known as Platelet endothelial cell adhesion molecule (PECAM-1), is a protein that in human is encoded by the PECAM1 gene. Encoded protein is a member of the immunoglobulin superfamily and this gene is mapped to 17q23.3. CD31 is found on the surface of platelets, monocytes, neutrophils, and some types of T-cells, and makes up a large portion of endothelial cell intercellular junctions. It is demonstrated that CD31 expression on human PBSCs may positively affect both neutrophil and platelet engraftment. Meanwhile, CD31 is involved in leukocyte migration and angiogenesis, which are key components of venous thrombus resolution.

### Overview

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|----------------------|--|
| Product Name         | Anti-CD31/Pecam1 Antibody Picoband® Fluoro488 Conjugated   |
| Reactive Species     | Mouse  |
| Application          | Recommended applications are based on the parent unconjugated antibody (ELISA, IHC, WB). Customers may select suitable applications according to their experimental needs. |
| Clonality            | Polyclonal   |
| Formulation          | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .   |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.   |
| Host                 | Rabbit   |
| Uniprot ID           | Q08481   |

### Technical Details

|                     |   |
|---------------------|---|
| Immunogen           | E. coli-derived mouse CD31 recombinant protein (Position: R58-Q273).          |
| Cross Reactivity    | No cross-reactivity with other proteins.                                      |
| Isotype             | Rabbit IgG  |
| Form                | Liquid  |
| Concentration       | 0.5 mg/mL   |
| Conjugate           | Fluoro488<br>Excitation Wavelength: 488 nm<br>Emission Wavelength: 515-545 nm |
| Suggested Dilutions | Optimal dilutions should be determined by end users.                          |

## 20 Publications Citing This Product

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1. PubMed ID: 10.4161/cbt.8.5.7687, Combined endostatin and TRAIL gene transfer suppresses human hepatocellular carcinoma growth and angiogenesis in nude mice
2. PubMed ID: 10.1155/2020/9485398, Quercetin Downregulates Cyclooxygenase-2 Expression and HIF-1alpha/VEGF Signaling-Related Angiogenesis in a Mouse Model of Abdominal Aortic Aneurysm
3. PubMed ID: -, Shen Song,Zhao Liu,Mohamed Aamer Abubaker,Ling Ding, Ji Zhang,Shengrong Yang,Zengjie Fan,Antibacterial polyvinyl alcohol/bacterial cellulose/ nano-silver hydrogels that effectively promote wound healing,Materials Science and Engineering: C,Volume 126,2021,112171,ISSN 0928-4931,https://doi.org/10.1016/j.msec.2021.112171.

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Anti-CD31/Pecam1 Antibody - Fluoro488

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