

## Mouse anti-Rat CD31 Monoclonal Antibody | anti-CD31 antibody

CD31 Monoclonal Antibody

|                               |                      |                          |                                             |
|-------------------------------|----------------------|--------------------------|---------------------------------------------|
| CATALOG #<br><b>AAA174457</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Rat</b> | APPLICATIONS<br><b>Immunohistochemistry</b> |
|-------------------------------|----------------------|--------------------------|---------------------------------------------|

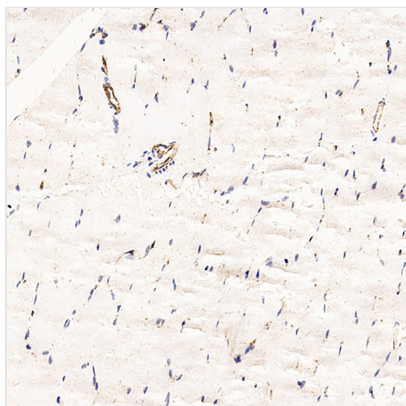
### PRODUCT SYNONYMS

CD31; Monoclonal Antibody; CD31 Monoclonal Antibody; Adhesion molecule; CD31 antigen; CD31 EndoCAM; EndoCAM; FLJ34100; FLJ58394; GPIIA; GPIIA'; PECA1; Pecam 1; PECAM 1 CD31 EndoCAM; PECAM; PECAM-1; Pecam1; Platelet and endothelial cell adhesion molecule 1; Platelet endothelial cell adhesion molecule; Platelet/endothelial cell adhesion molecule 1; anti-CD31 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                            |
|------------------------------------------------|----------------------------------------------------------------------------|
| Host                                           | Mouse                                                                      |
| Reactivity                                     | Rat                                                                        |
| Clonality                                      | Monoclonal                                                                 |
| Isotype                                        | IgG                                                                        |
| Clone Number                                   | 9A9A4                                                                      |
| Purity/Purification                            | Affinity Purification                                                      |
| Form/Format                                    | PBS with 0.02% sodium azide, 1% protective protein and 50% glycerol, pH7.4 |
| Sequence Length                                | 678                                                                        |
| Applicable Applications for anti-CD31 antibody | IHC (Immunohistochemistry)                                                 |
| Immunogen                                      | KLH conjugated synthetic peptide corresponding to Mouse CD31               |
| Conjugation                                    | Unconjugated                                                               |
| Note                                           | Centrifuge before opening to ensure complete recovery of vial contents.    |
| Preparation and Storage                        | Store at -20°C. Avoid freeze/thaw cycles.                                  |

### IMAGES



#### IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Rat skeletal muscle using CD31 Monoclonal Antibody at dilution of 1:200.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CD31 antibody | Platelet endothelial cell adhesion molecule-1 (PECAM-1, CD31) is a member of the immunoglobulin gene superfamily of cell adhesion molecules. It 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. 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. |
| Product Categories/Family for anti-CD31 antibody   | Cancer; Cardiovascular; Immunology; Signal transduction; Stem cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

NCBI AND UNIPROT INFORMATION

|                                  |                                                   |
|----------------------------------|---------------------------------------------------|
| NCBI GI #                        | 75832033                                          |
| NCBI GeneID                      | 29583                                             |
| NCBI Accession #                 | NP_113779.1                                       |
| NCBI GenBank Nucleotide #        | NM_031591.1                                       |
| UniProt Accession #              | Q3SWT0; P97635                                    |
| NCBI Official Full Name          | platelet endothelial cell adhesion molecule       |
| NCBI Official Synonym Full Names | platelet and endothelial cell adhesion molecule 1 |
| NCBI Official Symbol             | Pecam1                                            |
| NCBI Official Synonym Symbols    | CD31; Pecam                                       |
| NCBI Protein Information         | platelet endothelial cell adhesion molecule       |
| UniProt Protein Name             | Platelet endothelial cell adhesion molecule       |
| UniProt Gene Name                | Pecam1                                            |
| UniProt Synonym Gene Names       | Pecam; PECAM-1                                    |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://www.aaabiotech.com/monoclonal/cd31-antibody-clone-9a9a4-immunohistochemistry-elisa/174457>