

## Mouse CD31 Monoclonal Antibody | anti-CD31 antibody

MOUSE ANTI RAT CD31:RPE

|                              |                      |                                                         |
|------------------------------|----------------------|---------------------------------------------------------|
| CATALOG #<br><b>AAA49470</b> | HOST<br><b>Mouse</b> | APPLICATIONS<br><b>Flow Cytometry, Functional Assay</b> |
|------------------------------|----------------------|---------------------------------------------------------|

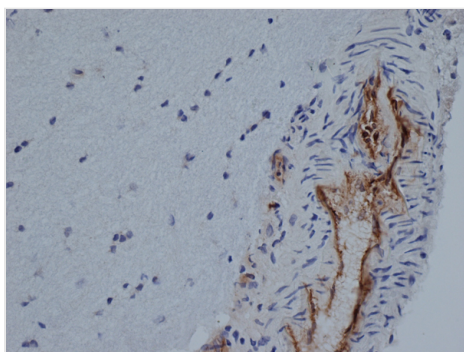
### PRODUCT SYNONYMS

CD31; Monoclonal Antibody; MOUSE ANTI RAT CD31:RPE; anti-CD31 antibody

### PRODUCT SPECIFICATIONS

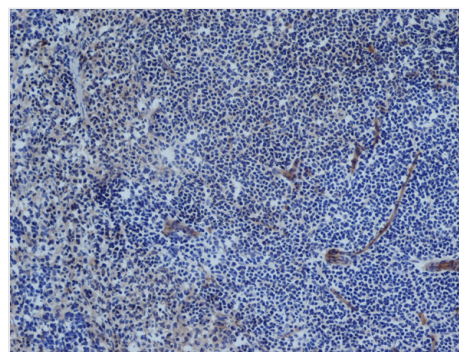
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|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Mouse                                                                                                                                                                                                                                                                                        |
| Clonality                                      | Monoclonal                                                                                                                                                                                                                                                                                   |
| Isotype                                        | IgG1                                                                                                                                                                                                                                                                                         |
| Clone Number                                   | TLD-3A12                                                                                                                                                                                                                                                                                     |
| Form/Format                                    | Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised                                                                                                                                                                                                                              |
| Sequence Length                                | 678                                                                                                                                                                                                                                                                                          |
| Applicable Applications for anti-CD31 antibody | FCM/FACS (Flow Cytometry)                                                                                                                                                                                                                                                                    |
| Reconstitution                                 | Reconstitute with 1 ml distilled water<br>Perservative Stabilisers                                                                                                                                                                                                                           |
| Buffer Solution                                | Phosphate buffered saline                                                                                                                                                                                                                                                                    |
| Target Species                                 | Rat                                                                                                                                                                                                                                                                                          |
| Preparation and Storage                        | Store at 4 degree C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use.<br>Shelf Life: 12 months from date of reconstitution. |

### IMAGES



#### Application Data

Immunohistochemical staining of rat brain cryosection with Mouse anti Rat CD31



#### Application Data

Immunohistochemical staining of rat spleen cryosection with Mouse anti Rat CD31

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CD31 antibody | Mouse anti Rat CD31 antibody, clone TLD-3A12 recognizes rat PECAM-1 (CD31), a 661 amino acid type 1 transmembrane protein expressed primarily on endothelial cells, platelets and leucocytes. Clone TLD-3A12 has been shown to partially block the proliferative response of antigen-specific CD4+ T cells to antigen-presenting cells and relevant antigen (Stevenson, K.S. et al.2009). This clone has been reported as suitable for use in IHC on formalin-fixed paraffin-embedded sections pre-treated with 0.2M boric acid, pH7.0. (Wilson et al. 2007). Mouse anti Rat CD31, clone TLD-3A12 has been shown to be cross-reactive with endothelial cells derived from rhesus macaque (Maclean et al. 2001) |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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                                       |
| Molecular Weight                 | 76,189 Da                                            |
| NCBI Official Full Name          | platelet endothelial cell adhesion molecule          |
| NCBI Official Synonym Full Names | platelet/endothelial cell adhesion molecule 1        |
| NCBI Official Symbol             | Pecam1                                               |
| NCBI Official Synonym Symbols    | CD31; Pecam                                          |
| NCBI Protein Information         | platelet endothelial cell adhesion molecule; PECAM-1 |
| UniProt Protein Name             | Platelet endothelial cell adhesion molecule          |
| UniProt Gene Name                | <b>Pecam1</b>                                        |
| UniProt Synonym Gene Names       | Pecam; PECAM-1                                       |
| UniProt Entry Name               | PECA1_RAT                                            |

**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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd31-antibody-clone-tld-3a12-flow-cytometry-elisa/49470>