

## CD31 Monoclonal Antibody

**Catalog No.** E-AB-70173

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

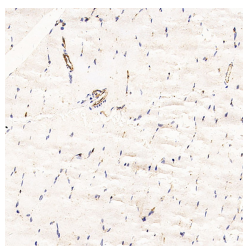
### Description

|                     |                                                                            |
|---------------------|----------------------------------------------------------------------------|
| <b>Reactivity</b>   | Rat                                                                        |
| <b>Immunogen</b>    | KLH conjugated Synthetic peptide corresponding to Mouse CD31               |
| <b>Host</b>         | Mouse                                                                      |
| <b>Isotype</b>      | IgG                                                                        |
| <b>Clone</b>        | 9A9A4                                                                      |
| <b>Purification</b> | Affinity purification                                                      |
| <b>Conjugation</b>  | Unconjugated                                                               |
| <b>Buffer</b>       | PBS with 0.02% sodium azide, 1% protective protein and 50% glycerol, pH7.4 |

### Applications Recommended Dilution

|            |             |
|------------|-------------|
| <b>IHC</b> | 1:200-1:500 |
|------------|-------------|

### Data



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

### Preparation & Storage

**Storage** Store at -20°C. Avoid freeze / thaw cycles.

### Background

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 .

### For Research Use Only