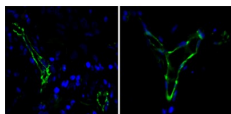


## CD31 Ab

[Images\(2\)](#)

|               |   |                       |
|---------------|---|-----------------------|
| Cat.#: BF0611 | Concn.: ~1mg/ml   | Mol.Wt.: 100kDa       |
| Size:         | Source: Mouse   | Clonality: Monoclonal |
| Application:  | ELISA 1:10000, WB 1:500-1:2000, IHC 1:200-1:1000, IF/ICC 1:200-1:1000<br>*The optimal dilutions should be determined by the end user.   |                       |
| Reactivity:   | Human   |                       |
| Storage:      | Mouse IgG1 in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.   |                       |
| Purification: | Affinity-chromatography.  |                       |
| Immunogen:    | Purified recombinant fragment of human CD31 expressed in E. Coli.   |                       |
| Uniprot:      | P16284  |                       |
| Description:  | CD31, also known as platelet endothelial cell adhesion molecule 1 (PECAM1), is a type I integral membrane glycoprotein and a member of the immunoglobulin superfamily of cell surface receptors. It is constitutively expressed on the surface of endothelial cells, and concentrated at the junction between them. The antibody reacts with the murine form of the Platelet-Endothelial Cell Adhesion Molecule. The reactivity of the antibody is restricted to the isoform of the molecule that is selectively expressed by endothelial cells. The antigen is predominantly present at the lateral borders of endothelial cells as described for human PECAM-1. It is also weakly expressed on many peripheral lymphoid cells and platelets. CD31 has been used to measure angiogenesis in association with tumor recurrence. |                       |



Immunohistochemical analysis of paraffin-embedded human placenta using CD31 mouse mAb

**IMPORTANT:** For western blot, incubate membrane with diluted primary Ab in 5% w/v milk, 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.