

Anti-CD31 Antibody (6F18)

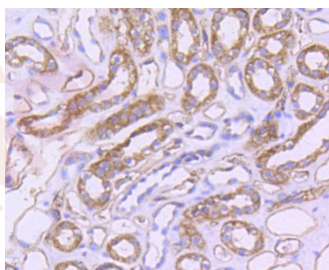
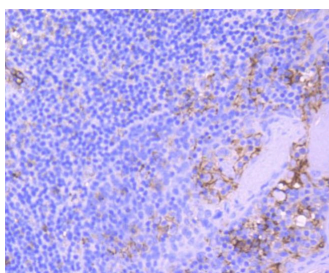
Product Details

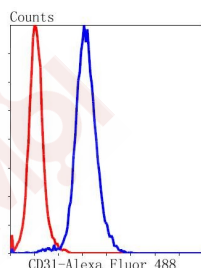
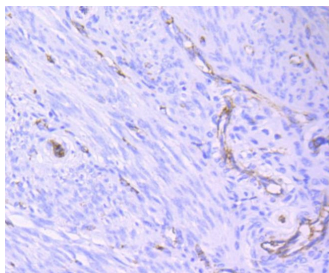
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|-------------------|--------------------------------------|
| Ig Type: | IgG |
| Reactivity: | Human |
| Conjugation: | Unconjugated |
| Molecular Weight: | Theoretical: 82 (Observed: 130) kDa. |
| Clone: | 6F18 |
| Purification: | ProA affinity purified |

Applications

Verified Activity:

1. Western blot analysis of CD31 on THP-1 cell lysates using anti-CD31 antibody at 1/1,000 dilution.
2. Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-CD31 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-CD31 antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded human uterus tissue using anti-CD31 antibody. Counter stained with hematoxylin.
5. Flow cytometric analysis of THP-1 cells with CD31 antibody at 1/50 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.





Application: FCM,IHC,IP,WB

Recommended WB: 1:1000-2000; IHC: 1:50-200; FCM: 1:50-100

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: P16284

Synonyms: EndoCAM;PECA1;CD31;GPIIA';PECAM-1;FLJ34100;FLJ58394

Research Background

Cell adhesion molecules are a family of closely related cell surface glycoproteins involved in cell-cell interactions during growth and are thought to play an important role in embryogenesis and development. Neuronal cell adhesion molecule (NCAM) expression is observed in a variety of human tumors including neuroblastomas, rhabdomyosarcomas, Wilms?? tumors, Ewing??s sarcomas and some primitive myeloid malignancies. The intracellular adhesion molecule-1 (ICAM-1), also referred to as CD54, is an integral membrane protein of the immunoglobulin superfamily and recognizes the $\beta 2/\alpha 1$ and $\beta 2/\alpha M$ integrins. PECAM-1 (platelet/endothelial cell adhesion molecule-1), also referred to as CD31, is a glycoprotein expressed on the cell surfaces of monocytes, neutrophils, platelets and a subpopulation of T cells. VCAM-1 (vascular cell adhesion molecule-1) was first identified as an adhesion molecule induced on human endothelial cells by inflammatory cytokines such as IL-1, tumor necrosis factor (TNF) and lipopolysaccharide (LPS). The KALIG gene encodes a nerve cell adhesion molecule (NCAM)-like protein and is deleted in 66% of patients with Kallmann??s syndrome, anosmia with secondary hypogonadism.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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