



## Mouse anti CD31/PECAM Monoclonal Antibody

Alternative Name(s): CD31; PECA1; GPIIA'; PECAM-1; endoCAM; CD31/EndoCAM

### Order Information

- **Description:** CD31(PECAM)
- **Catalogue:** 500-1274
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Mouse
- **Clone:** JC70
- **Application:** IHC(P), WB
- **Reactivity:** Hu

### **ANTIGEN PREPARATION**

Membrane preparation of a spleen from a patient with hairy cell leukemia.

### **BACKGROUND**

CD31 is a cell surface glycoprotein expressed on endothelial cells and in platelets. It is known to be involved in cell signaling and cell adhesion. The protein may be a component involved in the interaction of endothelial cells with coagulation factors, platelets, and the subendothelial matrix. It is found on the surface of platelets, monocytes, neutrophils, and some types of T-cells, and makes up a large portion of endothelial cell intercellular junctions. The encoded protein is a member of the immunoglobulin superfamily and is likely involved in leukocyte migration, angiogenesis, and integrin activation.

### **PURIFICATION**

The mouse IgG is purified by Protein A-Affinity Chromatography according to Isotyping

### **FORMULATION**

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

### **SPECIFICITY**

This antibody recognizes human Cd31. The other species was not tested.

### **STORAGE**

The antibodies are stable for 24 months from date of receipt when stored at -20oC to -70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

### **APPLICATIONS/SUGGESTED WORKING DILUTIONS\***

- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 130-140
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

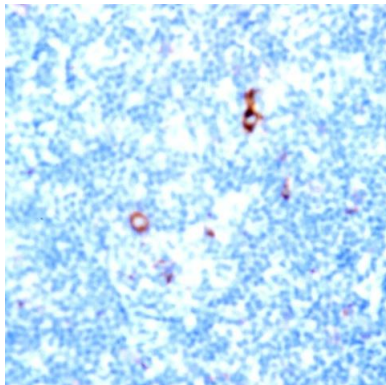
\*Optimal dilutions should be determined by researchers for the specific applications.

### **FOR RESEARCH USE ONLY.**

AbboMax, Inc 2528 Qume Drive, Suite 8, San Jose, California 95131, USA  
1 408-573-1898 (Tel). 1 408-573-1858 (Fax). [www.abbomax.com](http://www.abbomax.com) [info@abbomax.com](mailto:info@abbomax.com)



## DATA ATTACHMENTS



Immunohistochemistry: Human Tonsil (FFPE) stained with mouse anti-CD31 (Cat#500-1274) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

## REFERENCES

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