

Mouse Anti-CD31 (PECAM-1) [JC70A]: MC0514

Intended Use: For Research Use Only

Description: CD31, also known as PECAM-1, is a 130 kDa integral membrane glycoprotein found on the surface of endothelial cells, platelets and some hematopoietic cells. The antibody labels endothelial cells of arteries, arterioles, venules, veins, and non-sinusoidal capillaries in various tissues. CD31 is the most sensitive and specific endothelial cell marker. It is useful for detection of tumors with endothelial origin. In addition, CD31 has been used to identify vascular invasion of tumors, and assessment of angiogenesis which is a prognostic marker for many types of cancer.

Specifications

Clone: JC70A
Source: Mouse
Isotype: IgG1/k
Localization: Membrane
Formulation: Antibody in 10 mM PBS, 1% BSA, 0.09% sodium azide (NaN₃).
Storage: Store at 2°- 8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles
Applications: IHC for FFPE, Frozen
Package:

Description	Catalog No.	Size
CD31 (PECAM-1) Concentrated	MC0514	1 ml

IHC Procedure*

Positive Control Tissue: Placenta, angiosarcoma
Concentrated Dilution: 50-200
Pretreatment: Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp: 30-60 minutes @ RT
Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.