

CD 31 clone JC-70

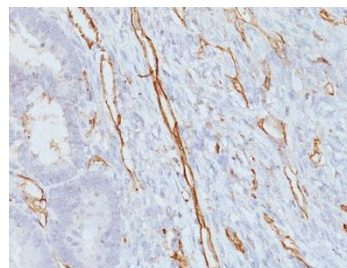
Instructions for Use

Specification:

CD31 (PECAM-1) is a transmembrane glycoprotein member of the immunoglobulin supergene family of adhesion molecules. It is widely used as an endothelial cell marker. CD31 Ab reacts with normal, benign, and malignant endothelial cells which make up blood vessel lining. The level of CD31 expression can help to determine the degree of tumor angiogenesis, and a high level of CD31 expression may imply a rapidly growing tumor and potentially a predictor of tumor recurrence.

Availability:

Catalog No.	Contents	Volume
ILM1313-C01	CD 31	0,1 ml concentrate
ILM1313-C05	CD 31	0,5 ml concentrate
ILM1313-C1	CD 31	1,0 ml concentrate



Intended use: For Research Use Only

Reactivity: Human, Cynomolgus Monkey and Rabbit. Others not known.

Clone: JC-70

Species of origin: Mouse

Isotype: IgG1/K

Control Tissue: Tonsil, Appendix, Placenta, Angiosarcoma

Staining: Cytoplasmic, Membranous

Immunogen: Membrane preparation of a spleen from a patient with hairy cell leukemia

Presentation: Bioreactor Concentrate with 0.05% Azide

Application and suggested dilutions:

Pretreatment: Heat induced epitope retrieval in 50 mM Tris-EDTA buffer pH9, for 15 minutes is required for IHC staining on formalin-fixed, paraffin embedded tissue sections.

- Immunohistochemical staining of cryostat tissue sections (dilution 1:100-1:200)
- Immunohistochemical staining of formalin-fixed, paraffin embedded tissue section (dilution 1:100-1:200)

The optimal dilution for a specific application should be determined by the investigator.

Note: Dilution of the antibody in 10% normal goat serum followed by a goat anti-mouse secondary antibody-based detection is recommended.

Storage & Stability: Store at 2-8 °C. Do not use after expiration date printed on the vial.

References:

- 1) Parums, et al, J Clin Pathol. 1990 Sep;43(9):752-7
- 2) De Young BR, et al, Applied Immunohistochemistry 1993;1: 97-100
- 3) Alles JU, et al, J Histochem Cytochem. 1986Feb;34(2):209-14
- 4) Alexander-Sefre F et al. J Clin Pathol. 2003 Oct;56(10):786-8
- 5) Gratzinger D et. al. Am J Clin Pathol 131:264-278 (2009)