

## Mouse Monoclonal anti-CD31 (PECAM-1), Clone JC70A

60-0071 6 mL predilute Antibody, Ready-To-Use

61-0071 1 mL Concentrate Antibody

Isotype: IgG1

Concentration: See container label

### Intended Use

For Research Use Only.

This product is used to qualitatively detect CD31 in normal and neoplastic formalin fixed, paraffin embedded (FFPE) tissue sections in immunohistochemical (IHC) detection methodology. Interpretation must be made within the context of the patient's clinical history and other diagnostic test by a qualified pathologist.

### Description

CD31 (also named platelet/endothelial cell adhesion molecule 1 – PECAM-1) is expressed on endothelial cells.

The antibody is a useful tool for the identification of vascular disorders (e.g. angiosarcoma) and determination of angiogenesis in some tumors.

### Reagent provided

This antibody is in 10 mM Phosphate buffered saline (PBS), pH 7.2 containing 1% bovine serum albumin (BSA) and 0.09% sodium azide ( $\text{NaN}_3$ ) as antimicrobial agent.

### Precautions

For professional users

Proper handling of this product as with any product derived from biological sources according to local and applicable regulations.

Sodium azide ( $\text{NaN}_3$ ) is a toxic chemical. The concentration in this product is not classified as hazardous, however, the build-ups of  $\text{NaN}_3$  may react with lead and copper plumbing to form highly explosive metal azides. Flush the disposed reagent with large volume of water to prevent azide build-up.

### Usage

#### Dilution

60-0071: Ready-To-Use

61-0071: Dilute 1:50 before use when using Acu-Stain™ detection system. Optimum dilution factor may vary depending on the specimen and preparation process and should be determined by each individual investigator.

#### Staining procedure

Incubate this antibody with tissue section for 30-60 minutes at room temperature. Follow the instructions from the selected detection system.

#### Positive control tissue

Tonsil

#### Epitope retrieval:

HIER, Citrate Buffer pH 6 or Tris Buffer pH 9.0

#### Staining pattern

Membrane

### Storage

Store at 2-8°C.

### References

1. Parums DV, et al. J Clin Pathol. 1990;43:752-757.
2. DeYoung BR, et al. J Cutan Pathol. 1995; 22:215-212.
3. Engel CJ, et al. Am J Surg Pathol. 1996;20:1260-1265.

### Symbols



Catalog No.



Batch No.



Temperature Range



Use By

