

Mouse Monoclonal anti-CD31 (PECAM-1), Clone GM006

60-0072; 60-0072-7
61-0072; 61-0072-2; 61-0072-5
Isotype

Concentration

6 mL; 7 mL predilute Antibody, Ready-To-Use
1 mL; 0.2 mL; 0.5 mL Concentrate Antibody
IgG1
See container label

Intended Use

For In Vitro Diagnostic Use.
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 and circulating and tissue-phase hematopoietic cells. This antibody is a useful tool for the identification of vascular disorders (e.g. angiosarcoma) and determination of angiogenesis in some tumors. Positive results aid in the classification of benign and malignant human vascular disorders. Differentiation identification is aided by the results from a panel of antibodies. CD31 is useful as part of the panel for the identification of epithelioid and spindle tumors in the skin and soft tissue.

Reagent provided

This antibody is diluted in 10 mM phosphate buffered saline (PBS), pH 7.2 containing 1% bovine serum albumin (BSA) and 0.09% sodium azide (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 is a toxic chemical. The concentration in this product is not classified as hazardous, however, the build-ups of 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

60-0072; 60-0072-7: Ready-To-Use
61-0072; 61-0072-2; 61-0072-5: Dilute 1:50 to 1:100 before use when using Acu-Stain™ detection system. Optimal 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

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.

GENTAUR