

Mouse Monoclonal anti-CD34, Clone QBend10

60-0012; 60-0012-7
61-0012; 61-0012-2; 61-0012-5
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 CD34 in normal and neoplastic formalin fixed paraffin embedded tissue sections in immunohistochemical detection methodology. Interpretation must be made within the context of the patient's clinical history and other diagnostic test by a qualified pathologist.

Description

CD34 is expressed on immature hematopoietic stem/progenitor cells, capillary endothelial cells, embryonic fibroblasts and rare glial cells in nervous tissue.
The antibody is a useful tool for the identification of vascular (angiosarcoma, Kaposi's sarcoma, epithelioid hemangiopericytoma, hemangioma) and lymphatic tumors, for the subclassification of leukemias, and for diagnosis of the gastrointestinal stromal tumor (GIST) along with anti CD117 (ckit) and S-100 antibodies.

Reagent provided

This antibody is purified immunoglobulin 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

60-0012; 60-0012-7: Ready-To-Use
61-0012; 61-0012-2; 61-0012-5: Dilute 1:50 to 1:100 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

GIST

Epitope retrieval

HIER, Tris pH 9.0

Staining pattern

Membrane

Storage

Store at 2-8°C.

References

1. Krause DS, et al. Blood. 1996 Jan 1;87(1):1-13
2. Fina L, et al. Blood. 1990; 75:2417-2426.
3. Ramani P, et al. Histopathology 1990;17:237-242.

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