Antibody to **CD34 Endothelial Cell Marker**

**Catalogue No:** VP-C345

### Product Specifications

**Intended use:** For in-vitro diagnostic use.

Mouse Monoclonal Anti-Human Endothelial Cell Marker (CD34) is intended for immunohistochemistry methodologies. A differential diagnosis is complemented by using a panel of antibodies and in conjunction with morphological studies, patient clinical history and other diagnostic tests by a qualified pathologist.

CD34 antigen is an 110kD single chain transmembrane glycoprotein. CD34 is selectively expressed on early lymphohematopoietic stem and progenitor cells, small-vessel endothelial cells, embryonic fibroblasts, and some cells in foetal and adult nervous tissue. The antigen is also expressed on vascular endothelium and is of value for the identification of vascular tumours.

**Storage and stability:** Store at 2-8°C. Do not freeze. Do not use after expiration date on vial.

**Specificity:** Human CD34 molecule

**Clone:** QBEnd/10  
**Ig Class:** IgG1

**Mouse IgG conc:** See details on vial label

**Immunogen:** Detergent solubilised vesicular suspension prepared from a perfusate of human term placenta.

**Product:** 1ml liquid tissue culture supernatant containing 15mM sodium azide.

**Precautions:** As this product is derived from biological material proper handling procedures should be employed. Sodium azide is not considered hazardous at 15mM. However, an MSDS is available on request or online (www.vectorlabs.com) for safety or disposal information.

**Specimen Preparation**

**Paraffin sections:** VP-C345 can be used on paraffin wax embedded tissue fixed in 10% neutral buffered formalin. Trypsin digestion is recommended.

**Frozen sections:** Yes: Acetone Fixation.

**INSTRUCTIONS FOR USE**

Dilutions and times are only a guide, there may be variations due to fixation, specimen collection and preparation, optimal conditions should be established by the individual laboratory.

Following trypsinisation of paraffin wax embedded tissue VP-C345 should be applied to sections in the dilution range 1:50 for 60 minutes at 25°C.

**Positive control tissue:** A positive control should be used in each run. The recommended control tissue is tonsil (vascular component).

**Negative control tissue:** A negative control tissue should be set up to verify the specificity of the antibody. The recommended negative control is tonsil (non-vascular component).

**Negative control reagent:** A negative control mouse immunoglobulin (e.g. I-2000) should be used to evaluate non-specific binding.

**Visualisation:** VECTASTAIN® Elite ABC Peroxidase Kits (PK-6200 or PK-6102, PK-7200) in conjunction with substrate kits (SK-4100 or SK-4800) are all recommended for use with this antibody. Specific protocols are included in each kit.

For professional use only.

### Selected References:


### Authorised representative:

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