

**Rabbit Anti-CD34 [EP88]: RM0038**

**Intended Use:** For Research Use Only

**Description:** CD34 (Cluster of differentiation 34) is a single-pass type I transmembrane glycoprotein which primary functions as a cell to cell adhesion factor. As an adhesion factor, CD34 is expressed during stem/progenitor stage of lymphohematopoietic development and possibly mediates the stem cell attachment to the bone marrow, ECM or stromal cells. CD34 is expressed on hematopoietic stem/progenitor cells, endothelial cells, fibroblasts and other stromal components. CD34 is an important marker for quantifying and purifying hematopoietic progenitor/stem cells. It is useful in identification of tumors with endothelial or lymphoid differentiation. In addition, CD34 aids in detection of gastrointestinal stromal tumors.

**Specifications:**

Clone: EP88  
Source: Rabbit  
Isotype: IgG  
Reactivity: Human  
Localization: Membrane  
Formulation: Antibody in PBS pH7.2, containing < 0.2% BSA and < 0.09% sodium azide (NaN<sub>3</sub>).  
Storage: Store at 2°- 8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles  
Applications: IHC  
Package:

Description	Catalog No.	Size
CD34 Concentrated	RM0038	1 ml

**IHC Procedure\*:**

Positive Control Tissue: Tonsil, placenta, marrow, angiosarcoma  
Concentrated Dilution: 50-200  
Pretreatment: Citrate pH6.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C  
Incubation Time and Temp: 30-60 minutes @ RT  
Detection: Refer to the detection system manual

\* Result should be confirmed by an established diagnostic procedure.