

## Anti-CD34 Antibody [SI16-01]

**Cat:** YK151661

**Product Type:** Recombinant Rabbit monoclonal IgG, primary antibodies

**Species reactivity:** Human, Mouse, Rat

**Applications:** WB, IF-Cell, IF-Tissue, IHC-P, IP, mIHC, FC

**Molecular Wt:** Predicted band size: 41 kDa

**Clone number:** SI16-01

**Description:** CD34 is a heavily glycosylated, transmembrane glycoprotein that is expressed on the surface of lymphohematopoietic stem and progenitor cells, small-vessel endothelial cells, embryonic fibroblasts and some cells in fetal and adult nervous tissue. CD34 antigen expression is highest in the most primitive stem cells and is gradually lost as lineage committed progenitors differentiate. The CD34 antigen is also present on capillary endothelial cells and on bone marrow stromal cells. The CD34 cytoplasmic domain has an intracellular domain that contains consensus sites for activated protein kinase C (PKC) phosphorylation as well as serine, threonine and tyrosine phosphorylation consensus sites.

**Immunogen:** Synthetic peptide within Human CD34 aa 336-385 / 385.

**Positive control:** Human non-small cell lung cancer, TF-1 cell lysate, TF-1, human tonsil tissue, human kidney tissue, mouse kidney tissue, rat kidney tissue, rat cerebellum tissue, rat cerebral cortex tissue, rat hippocampus tissue, mouse cerebellum tissue, mouse cerebral cortex tissue, mouse hippocampus tissue, mouse bladder tissue, human uterus tissue, mouse uterus tissue, rat uterus tissue.

**Subcellular location:** Membrane.

**Database links:** SwissProt: P28906 Human | Q64314 Mouse  
Unigene: 219720 Rat

### Recommended Dilutions:

WB: 1:2000; IF-cell : 1:100; IF-Tissue: 1:500-1:1000; IHC-P 1: 400-1:10000; IP: 1-2µg/sample; mIHC: 1:1000-1:2000; FC: 1:1000

**Storage Buffer:** 1\*TBS (pH7.4), 0.05% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide

**Storage Instruction:** Shipped at 4°C. Store at +4°C short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20°C long term.

**Purity:** Protein A affinity purified.