

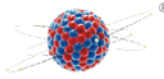
# Anti-CD34 Antibody

## NH-R-16-01

**Product Type:** Recombinant Rabbit monoclonal IgG, primary antibodies  
**Species reactivity:** Human, Mouse, Rat  
**Applications:** IF-Tissue Clearing  
**Clone number:** SI16-01

<b>Description:</b>	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
<b>Immunogen:</b>	Synthetic peptide within Human CD34 aa 336-385 / 385.
<b>Positive control:</b>	Mouse kidney tissue slice、 Mouse skin.
<b>Subcellular location:</b>	Membrane.
<b>Recommended Dilutions:</b>	
<b>IF-Tissue Clearing</b>	1:50
<b>Adaptive Clearing kit</b>	Skin Clearing Kit (Cat#:NH-CR-240614)、 Tissue Clearing Kit (Hydrophilic) (Cat#:NH-CR-210701)
<b>Storage Buffer:</b>	1* TBS (pH 7.4), 0.05% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
<b>Storage Instruction:</b>	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Purity:</b>	Protein A affinity purified





## Images

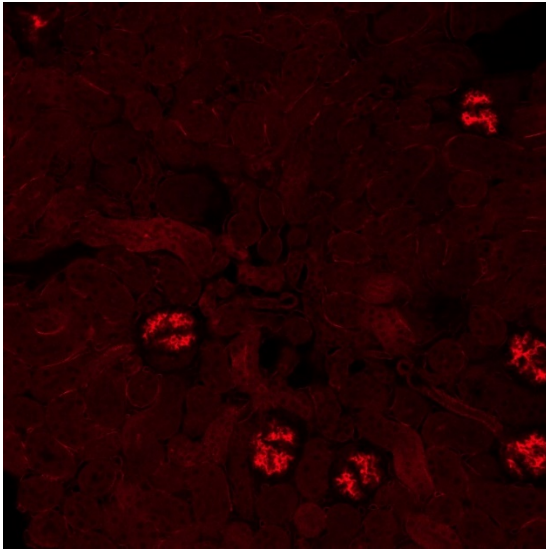


Fig1: Immunofluorescence analysis of fresh mouse kidney tissue labeling CD34 (NH-R-16-01) at 1/50 dilution.

The section was treated with Tissue Clearing Kit(Hydrophilic) (Cat#:NH-CR-210701), the tissues were blocked for 2 hours at 4°C, washed with PBS, and then probed with the primary antibody (NH-R-16-01,1/50) overnight at 4°C, washed with PBS. Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) was used as the secondary antibody at 1/50 dilution. Image acquisition was performed with Zeiss 980.

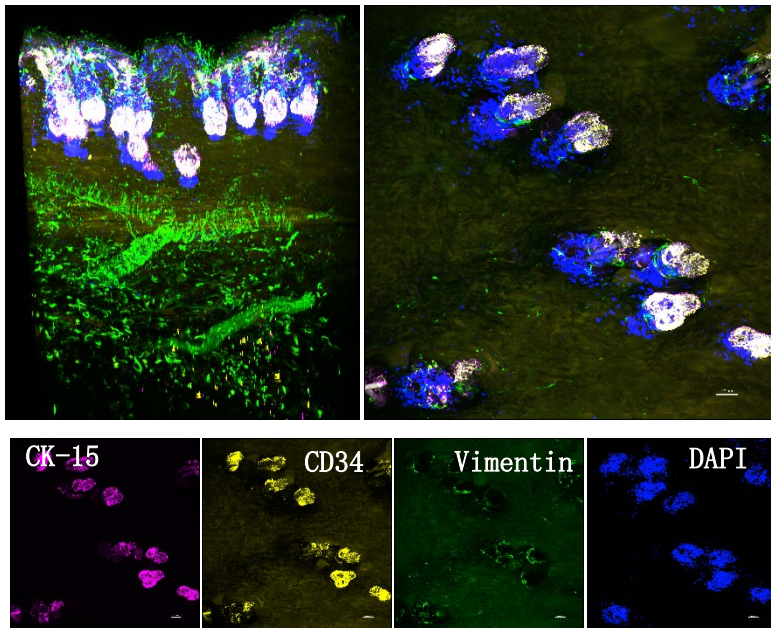


Fig2: Immunofluorescence analysis of fresh skin of mouse co-labeling CK-15(NH-R-04-85), CD34(NH-R-16-01), Vimentin(NH-R-60-05), DAPI at 1/200, 1/50 1/200 and 1/100 dilution respectively.

The skin of mouse was treated with hair removal in advance, tissue transparency with Skin Clearing Kit(Cat#:NH-CR-240614), then blocked for 4 hours at 4°C, and then probed with CK-15、CD34、Vimentin、DAPI for 4 days at room temperature, Fluor® 594-conjugated AffiniPure VHH Fragment Alpaca Anti-Rabbit IgG (H+L) was used as the secondary antibody. after washing with 10% PBST for 20 minutes, and then wash with 1x PBS for 3 times for 2 hours each time. Three dimensional imaging acquisition was performed with Nuohai LS18.

