

## CD34 Recombinant antibody

**Cat:** B03010R

**Company:** Haokebio

**Uniprot ID:** P28906

**Applications:** IHC:1:500-1:1000

**Organism:** Rabbit

IHC-Polymer:1:2000-1:4000

**Species reactivity:** Human Mouse Rat

IHC-TSA:1:2500-1:5000

**Molecular Weight Calculation:** 41 kDa

IF:1:50

**Observed Molecular Weight:** 80-120 kDa

WB:1:500-1:1000

### Background:

CD34 is a 105- to 120-kDa glycoprophosphoprotein expressed on the majority of hematopoietic stem/progenitor cells, bone marrow stromal cells, capillary endothelial cells, embryonic fibroblasts, and some nerve tissue. CD34 is a commonly used marker for identifying human hematopoietic stem/progenitor cells and mediates cell adhesion and lymphocyte homing by binding L-selectin and E-selectin ligands. CD34 is also one of the best negative selection markers for characterizing and/or isolating human MSCs from bone marrow and other sources. Along with other positive selection markers (such as CD29, CD44, CD90, CD105 and CD166), negative selection markers (such as CD34 and CD45) are used for MSC identification. The calculated molecular mass of human CD34 is 41 kDa, various forms with different molecular weights may be produced due to different glycosylation patterns and alternative splicing.

### Protein full name:

CD34 molecule

### Synonyms:

CD34 molecule

### Immunogen:

Recombinant protein

### Isotype:

IgG

### Subcellular location:

Membrane

### Purity:

Affinity purification

### Form:

Liquid

### Storage Buffer:

PBS with 0.02% sodium azide, 100 µg/ml BSA and 50% glycerol.

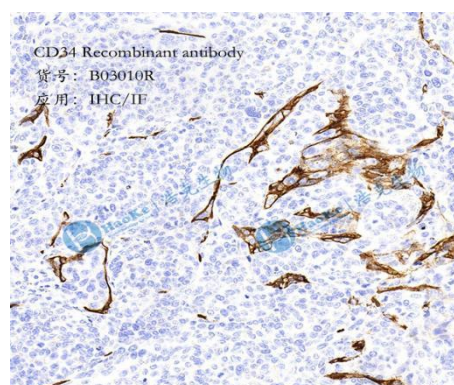
### Storage:

Store at -20 °C for one year.

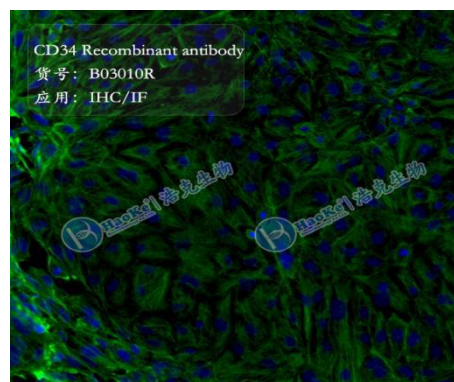
### Experimental procedure:

Antigen retrieval: Citrate buffer (pH 6.0), Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody, 4°C overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

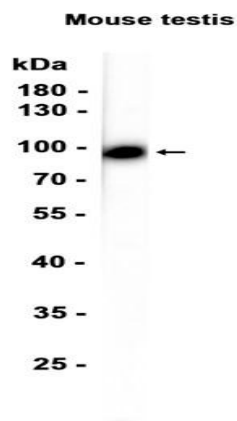
### Images:



Sample: Mouse tumor, 4% PFA 12-24h



Sample: Mouse cell, 4% PFA 12-24h



Dilution of 1:1000 incubated at room temperature for 1.5 hours.

**Source of Reagents:**

发表[中文论文]请标注:CD34(B03010R)由杭州浩克生物技术有限公司提供;

发表[英文论文]请标注:CD34(B03010R) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.