

**MAB959Hu21**

**Monoclonal Antibody to Cluster Of Differentiation 34 (CD34)**

**Organism Species: *Homo sapiens (Human)***

***Instruction manual***

**FOR RESEARCH USE ONLY**

**NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES**

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13th Edition (Revised in Aug, 2023)

**[ PROPERTIES ]**

**Source:** Monoclonal antibody preparation

**Host:** Mouse

**Antibody isotype:** IgG1 Kappa

**Purification:** Protein A + Protein G affinity chromatography

**Clone number:** C1

**Traits:** Liquid

**Concentration:** 1mg/mL

**UOM:** 200µL

**Cross Reactivity:** Mouse;Rat;Canine;Porcine

**Applications:** WB; IHC; ICC; IP.

**[ IMMUNOGEN ]**

**Immunogen:** Recombinant CD34 (Ser32~Thr290) expressed in *E.coli*

**Accession No.:** RPB959Hu01

**[ APPLICATIONS ]**

Western blotting: 0.01-3µg/mL;

Immunohistochemistry: 5-30µg/mL;

Immunocytochemistry: 5-30µg/mL;

Optimal working dilutions must be determined by end user.

**[ FORMULATION ]**

**Form & Buffer:** Supplied as solution form in PBS, pH7.4, containing 0.02% NaN<sub>3</sub>, 50% glycerol.

**[ STORAGE AND STABILITY ]**

**Storage:** Avoid repeated freeze/thaw cycles.

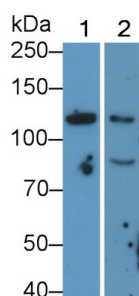
Store at 4°C for frequent use.

Aliquot and store at -20°C for 24 months.

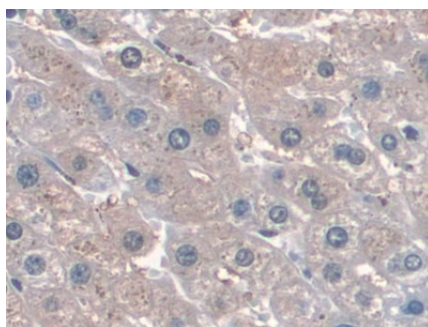
**Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined

by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

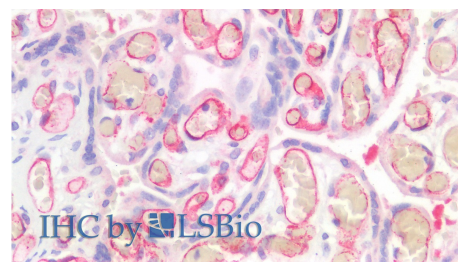
## [ IDENTIFICATION ]



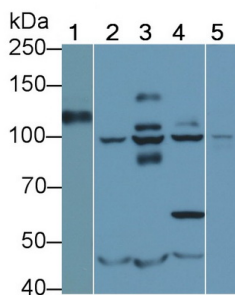
Western Blot; Sample: Lane1: HL60 cell lysate; Lane2: THP1 cell lysate  
Primary Ab: 0.5µg/ml Mouse Anti-Human CD34 Antibody Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody  
(Catalog: SAA544Mu19)



DAB staining on IHC-P; Samples: Human Liver Tissue; Primary Ab: 30µg/ml Mouse Anti-Human CD34 Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



Vector Red staining on IHC-P;  
Samples: Human Placenta Tissue;  
Primary Ab: 10µg/ml Mouse Anti-Human CD34 Antibody  
Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Monoclonal Antibody



Western Blot; Sample: Lane1: TF1 cell lysate; Lane2: Mouse Cerebrum lysate; Lane3: Rat Cerebrum lysate; Lane4: Canine Cerebrum lysate; Lane5: Porcine Cerebrum lysate  
Primary Ab: 0.5µg/ml Mouse Anti-Human CD34 Antibody  
Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal

Antibody

(Catalog: SAA544Mu19)

**[ IMPORTANT NOTE ]**

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.