

A20228

Leader in Biomolecular Solutions for Life Science



# CD31/PECAM1 Rabbit mAb

Catalog No.: A20228

Recombinant

1 Publications

## Basic Information

### Observed MW

130-140kDa

### Calculated MW

83KDa

### Category

SMab Recombinant Monoclonal  
Antibody

### Applications

WB,IHC-P,IP,ELISA

### Cross-Reactivity

Human

### CloneNo number

ARC5013-19

## Background

The protein encoded by this gene is found on the surface of platelets, monocytes, neutrophils, and some types of T-cells, and makes up a large portion of endothelial cell intercellular junctions. The encoded protein is a member of the immunoglobulin superfamily and is likely involved in leukocyte migration, angiogenesis, and integrin activation.

## Recommended Dilutions

**WB** 1:500 - 1:1000

**IHC-P** 1:50 - 1:200

**IP** 0.5µg-4µg antibody for  
200µg-400µg extracts  
of whole cells

**ELISA** Recommended starting  
concentration is 1  
µg/mL. Please optimize  
the concentration  
based on your specific  
assay requirements.

## Immunogen Information

### Gene ID

5175

### Swiss Prot

Q08481

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 630-738 of CD31/PECAM1 (NP\_000433.4).

### Synonyms

CD31; PECA1; GPIIA'; PECAM-1; endoCAM; CD31/EndoCAM; CD31/PECAM1

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

### Storage

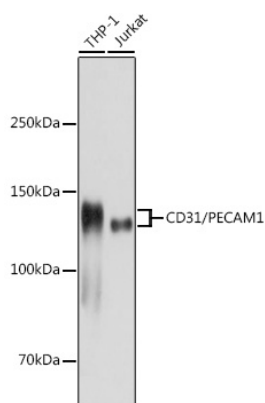
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

## Contact

 [www.abclonal.com](http://www.abclonal.com)

## Validation Data



Western blot analysis of various lysates using CD31/PECAM1 Rabbit mAb (A20228) at 1:1000 dilution.

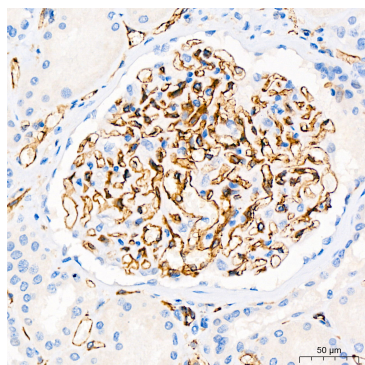
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

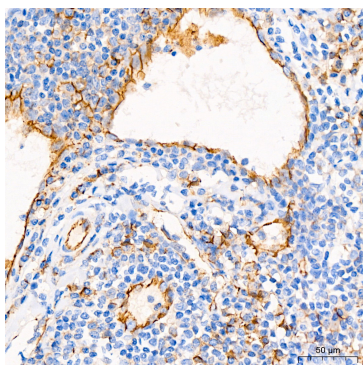
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

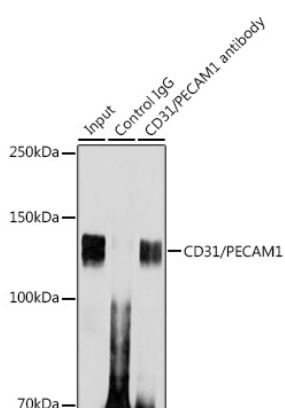
Exposure time: 3s.



Immunohistochemistry analysis of paraffin-embedded Human kidney using CD31/PECAM1 Rabbit mAb (A20228) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human tonsil using CD31/PECAM1 Rabbit mAb (A20228) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunoprecipitation analysis of 300 µg extracts of Jurkat cells using 3 µg CD31/PECAM1 antibody (A20228). Western blot was performed from the immunoprecipitate using CD31/PECAM1 antibody (A20228) at a dilution of 1:1000.