Leader in Biomolecular Solutions for Life Science

CD31/PECAM1 Rabbit mAb

Catalog No.: A19014

Recombinant | 59 Publications

www.abclonal.com

Basic Information

Observed MW
135 kDa

Calculated MW
83 kDa

Category
Monoclonal Antibodies

Applications
WB, IF-F, IF-P, IHC-P, mIHC, ELISA

Cross Reactivity
Human, Mouse, Rat

Clone No.
ARC50362

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	1:5000 - 1:13000
IF-F	1:200 - 1:600
IF-P	1:200 - 1:600
IHC-P	1:500 - 1:3000
mIHC	1:200 - 1:800

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
P16284

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

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

Contact

400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

Product Information

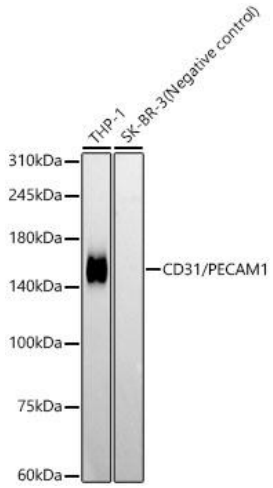
Source
Rabbit

Isotype
IgG

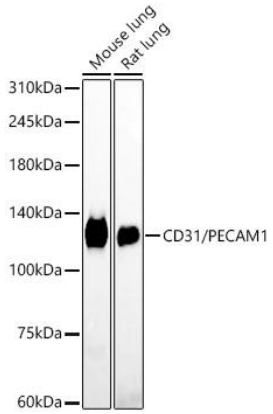
Purity
Affinity purification

Storage
Store at -20℃
Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

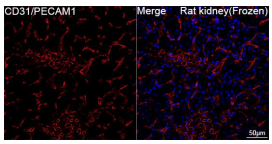
Validation Data



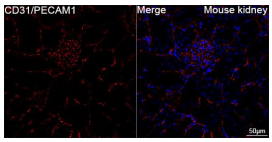
Western blot analysis of various lysates, using CD31/PECAM1 Rabbit mAb (A19014) at 1:12500 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Negative control (NC): SK-BR-3
Exposure time: 180s.



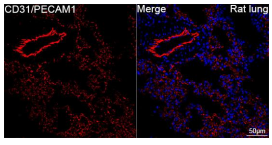
Western blot analysis of various lysates, using CD31/PECAM1 Rabbit mAb (A19014) at 1:12500 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit (RM00021).
Exposure time: 180s.



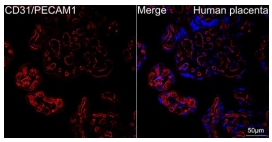
Confocal imaging of frozen sections Rat kidney tissue using CD31/PECAM1 Rabbit mAb (A19014, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



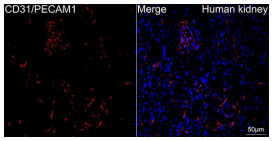
Confocal imaging of paraffin-embedded Mouse kidney tissue using CD31/PECAM1 Rabbit mAb (A19014, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



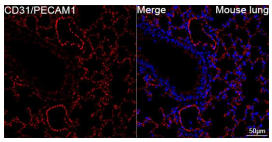
Confocal imaging of paraffin-embedded Rat lung tissue using CD31/PECAM1 Rabbit mAb (A19014, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



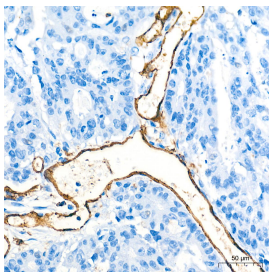
Confocal imaging of paraffin-embedded Human placenta tissue using CD31 /PECAM1 Rabbit mAb (A19014, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x.Perform high pressure antigen retrieval with 0.01M citrate buffer (pH 6.0) prior to IF staining.



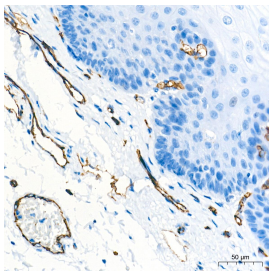
Confocal imaging of paraffin-embedded Human kidney tissue using CD31/PECAM1 Rabbit mAb (A19014, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x.Perform high pressure antigen retrieval with 0.01M citrate buffer (pH 6.0) prior to IF staining.



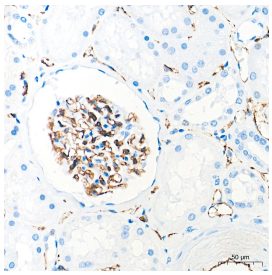
Confocal imaging of paraffin-embedded Mouse lung tissue using CD31/PECAM1 Rabbit mAb (A19014, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



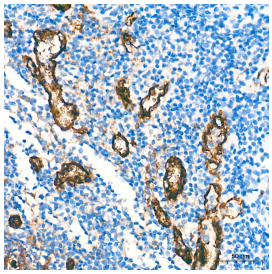
Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using CD31/PECAM1 Rabbit mAb (A19014) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



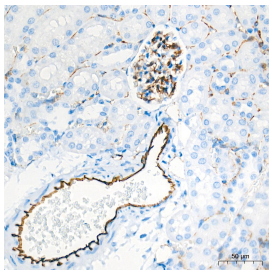
Immunohistochemistry analysis of paraffin-embedded Human esophagus tissue using CD31/PECAM1 Rabbit mAb (A19014) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



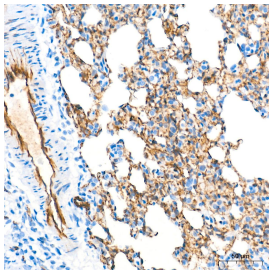
Immunohistochemistry analysis of paraffin-embedded Human kidney tissue using CD31/PECAM1 Rabbit mAb (A19014) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



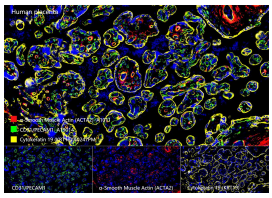
Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using CD31/PECAM1 Rabbit mAb (A19014) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



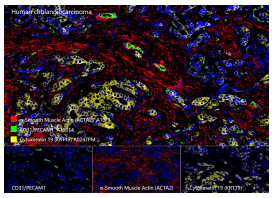
Immunohistochemistry analysis of paraffin-embedded Mouse kidney tissue using CD31/PECAM1 Rabbit mAb (A19014) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



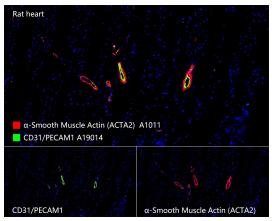
Immunohistochemistry analysis of paraffin-embedded Rat lung tissue using CD31 /PECAM1 Rabbit mAb (A19014) at a dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



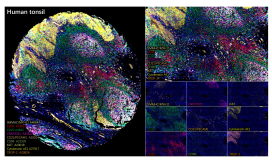
The multiplex IHC analysis on paraffin-embedded Human placenta tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : CD31/PECAM1 Rabbit mAb (A19014, 1:500) with TSA-TYR-520 (Green), and α-Smooth Muscle Actin (ACTA2) Rabbit pAb (A1011, 1:1000) with TSA-TYR-570 (Red), and Cytokeratin 19 (KRT19) Rabbit PolymAb® (A0247PM, 1: 10000) with TSA-TYR-690 (Yellow). DAPI (Blue) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01 M citrate buffer at pH 6.0. The analysis was completed using a 40x objective lens.



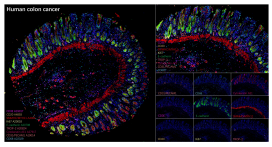
The multiplex IHC analysis on paraffin-embedded Human cholangiocarcinoma tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : CD31/PECAM1 Rabbit mAb (A19014, 1:500) with TSA-TYR-520 (Green), and α-Smooth Muscle Actin (ACTA2) Rabbit pAb (A1011, 1:1000) with TSA-TYR-570 (Red), and Cytokeratin 19 (KRT19) Rabbit PolymAb® (A0247PM, 1: 10000) with TSA-TYR-690 (Yellow). DAPI (Blue) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01 M citrate buffer at pH 6.0. The analysis was completed using a 40x objective lens.



The multiplex IHC analysis on paraffin-embedded Rat heart tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : CD31/PECAM1 Rabbit mAb (A19014, 1:500) with TSA-TYR-520 (Green), and α-Smooth Muscle Actin (ACTA2) Rabbit pAb (A1011, 1:1000) with TSA-TYR-570 (Red). DAPI (Blue) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01M citrate buffer at pH 6.0. The analysis was completed using a 40x objective lens.



The multiplex IHC analysis on paraffin-embedded Human tonsil tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : SMMHC/MYH11 Rabbit mAb (A4064, 1:4000) with TSA-CFP490 (Pale Yellow), and CD3E Rabbit mAb (A19017, 1:4000) with TSA-CFP645 (Red), and CD20 Rabbit mAb (A4893, 1:2000) with TSA-CFP555 (Green), and CR2 /CD21 Rabbit mAb (A23512, 1:2000) with TSA-CFP645 (Magenta), and CD31 /PECAM1 Rabbit mAb (A19014, 1:200) with TSA-CFP645 (Beige), and CD68 Rabbit mAb (A22329, 1:20000) with TSA-CFP490 (Cyan), and [KO Validated] Ki67 Rabbit mAb (A20018, 1:500) with TSA-CFP440 (Light Yellow), and Cytokeratin AE1 Rabbit mAb (A27917, 1:2000) with TSA-CFP440 (Yellow), and TROP-2 Rabbit mAb (A20824, 1:10000) with TSA-CFP440 (Orange). DAPI (Blue) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01 M citrate buffer at pH 6.0. The analysis was completed using a 40x objective lens.



The multiplex IHC analysis on paraffin-embedded Human colon cancer tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : SMMHC/MYH11 Rabbit mAb (A4064, 1:4000) with TSA-CFP490 (Red), and CD3E Rabbit mAb (A19017, 1:40000) with TSA-CFP645 (Magenta), and CD20 Rabbit mAb (A4893, 1:2000) with TSA-CFP555 (Pale Yellow), and E-Cadherin Rabbit mAb (A20798, 1:1000) with TSA-CFP555 (Green), and CD31 /PECAM1 Rabbit mAb (A19014, 1:200) with TSA-CFP645 (Light Coral), and CD68 Rabbit mAb (A22329, 1:20000) with TSA-CFP490 (Cyan), and [KO Validated] Ki67 Rabbit mAb (A20018, 1:500) with TSA-CFP440 (Light Yellow), and Cytokeratin AE1 Rabbit mAb (A27917, 1:2000) with TSA-CFP440 (Magentaw), and TROP-2 Rabbit mAb (A20824, 1:10000) with TSA-CFP440 (Magenta). DAPI (Blue) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01M citrate buffer at pH 6.0. The analysis was completed using a 40x objective lens.