

## Product Datasheet

### CD31 Mouse Monoclonal Antibody (orb500839)

<b>Catalog Number</b>	orb500839
<b>Category</b>	Antibodies
<b>Description</b>	CD31 Mouse Monoclonal Antibody
<b>Target</b>	PECAM1
<b>Clonality</b>	Monoclonal
<b>Species/Host</b>	Mouse
<b>Isotype</b>	IgG1
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human
<b>Form/Appearance</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Buffer/Preservatives</b>	0.01M TBS (pH7.4) with 1% rAlbumin, 0.02% Proclin300 and 50% Glycerol.
<b>Purification</b>	Affinity purified by Protein A
<b>Immunogen</b>	Recombinant human CD31 28-601/727aa (C-6x His-Tag)
<b>UniProt ID</b>	<b>P16284</b>
<b>MW</b>	78 kDa
<b>Tested applications</b>	FC, ICC, IF, IHC-Fr, IHC-P, WB

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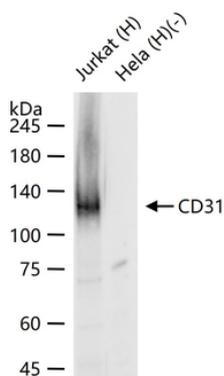
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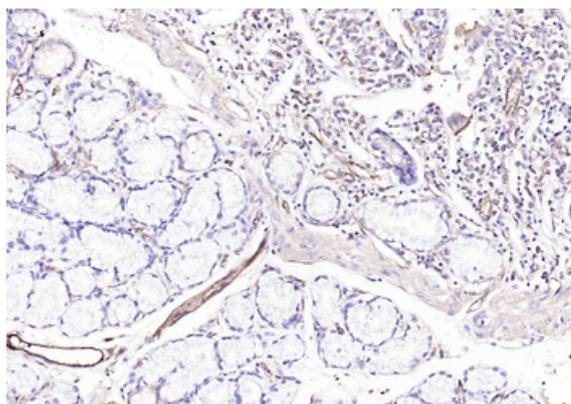
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<b>Dilution range</b>	WB=1:1000-10000, IHC-P=1:200-2000, IHC-F=1:200-2000, ICC/IF=1:200-800, IF=1:200-2000, Flow-Cyt=1ug/Test
<b>Antibody Type</b>	Primary Antibody
<b>Clone Number</b>	2D4
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.



25 ug total protein per lane of various lysates probed with CD31 monoclonal antibody, unconjugated (orb500839) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded (human duodenum), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (CD31) Monoclonal Antibody, Unconjugated (orb500839) at 1:100 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.

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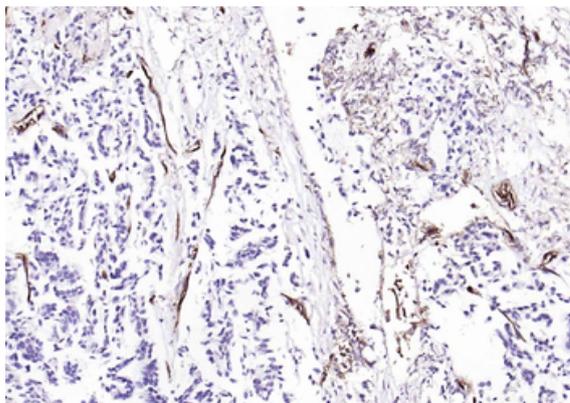
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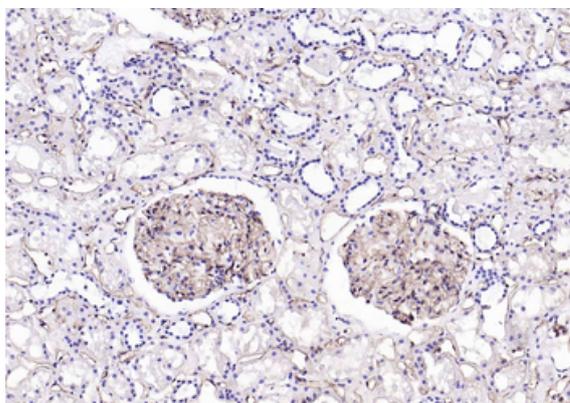
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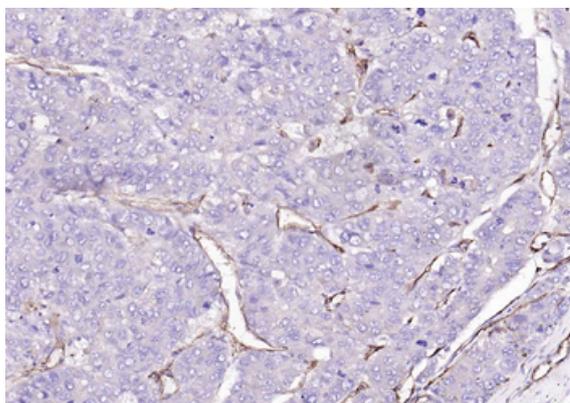
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Paraformaldehyde-fixed, paraffin embedded (human gastric carcinoma), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (CD31) Monoclonal Antibody, Unconjugated (orb500839) at 1:100 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human kidney), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (CD31) Monoclonal Antibody, Unconjugated (orb500839) at 1:100 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human liver carcinoma), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (CD31) Monoclonal Antibody, Unconjugated (orb500839) at 1:100 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.

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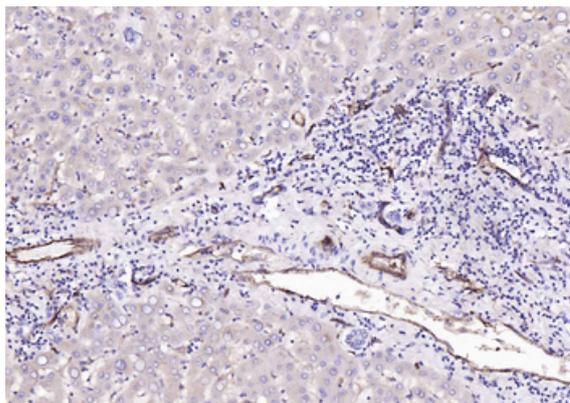
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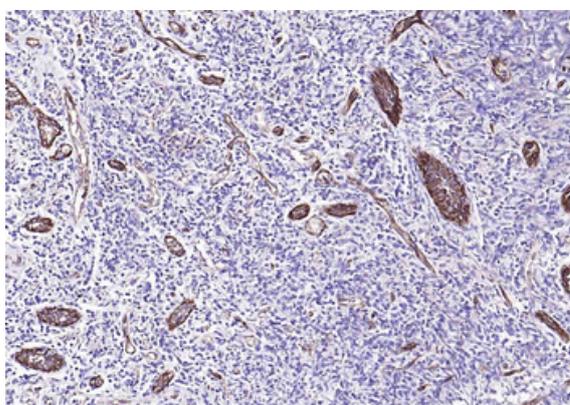
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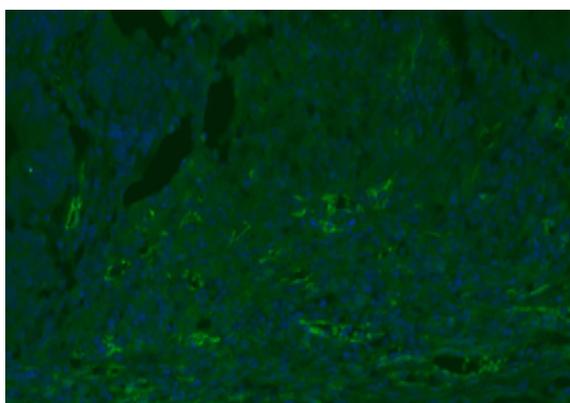
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Paraformaldehyde-fixed, paraffin embedded (human liver), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (CD31) Monoclonal Antibody, Unconjugated (orb500839) at 1:100 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human tonsil), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (CD31) Monoclonal Antibody, Unconjugated (orb500839) at 1:100 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer, Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Antibody incubation with CD31 Monoclonal Antibody, Unconjugated (orb500839) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (green), DAPI (blue) was used to stain the cell nuclei.

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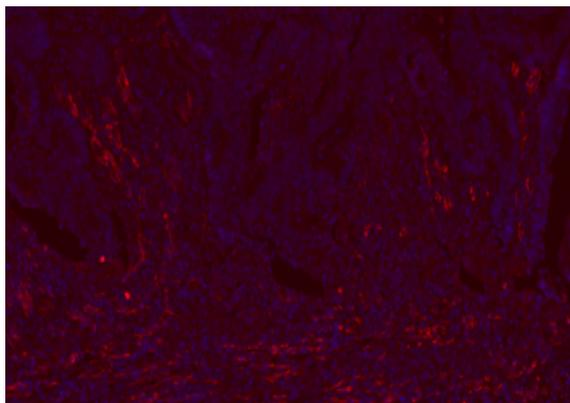
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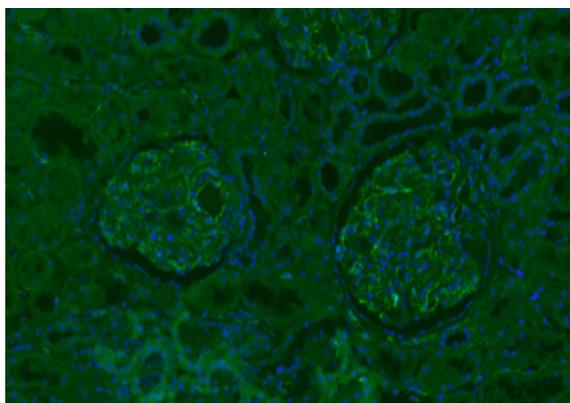
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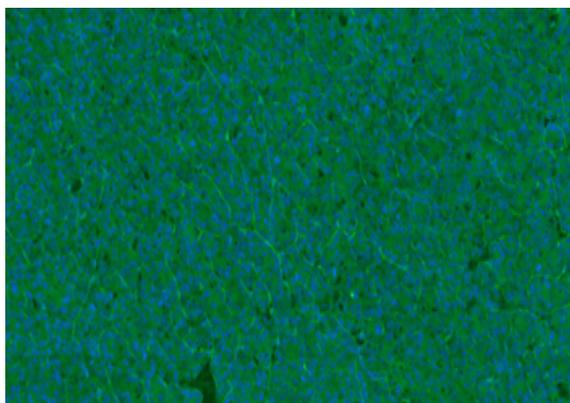
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Paraformaldehyde-fixed, paraffin embedded Human Kidney, Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Antibody incubation with CD31 Monoclonal Antibody, Unconjugated (orb500839) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (green), DAPI (blue) was used to stain the cell nuclei.



Paraformaldehyde-fixed, paraffin embedded Human Liver Cancer, Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Antibody incubation with CD31 Monoclonal Antibody, Unconjugated (orb500839) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (green), DAPI (blue) was used to stain the cell nuclei.

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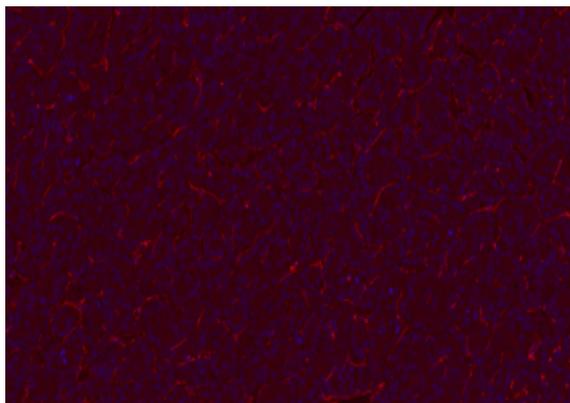
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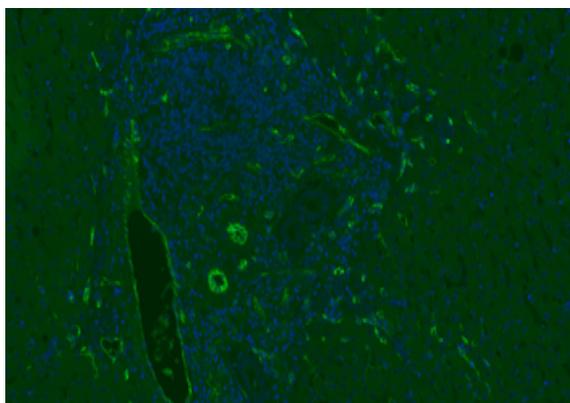
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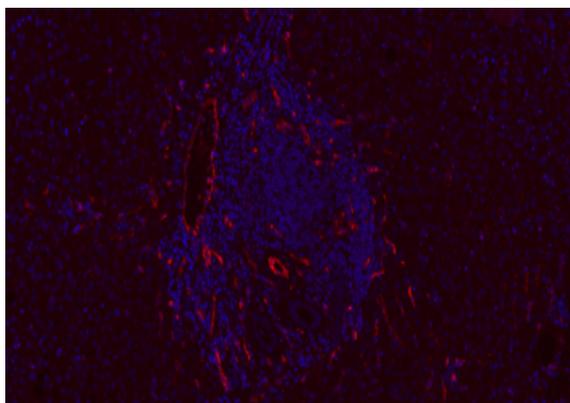
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Paraformaldehyde-fixed, paraffin embedded Human Liver Cancer, Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Antibody incubation with CD31 Monoclonal Antibody, Unconjugated (orb500839) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (Red), DAPI (blue) was used to stain the cell nuclei.



Paraformaldehyde-fixed, paraffin embedded Human Liver, Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Antibody incubation with CD31 Monoclonal Antibody, Unconjugated (orb500839) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (green), DAPI (blue) was used to stain the cell nuclei.



Paraformaldehyde-fixed, paraffin embedded Human Liver, Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Antibody incubation with CD31 Monoclonal Antibody, Unconjugated (orb500839) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (Red), DAPI (blue) was used to stain the cell nuclei.

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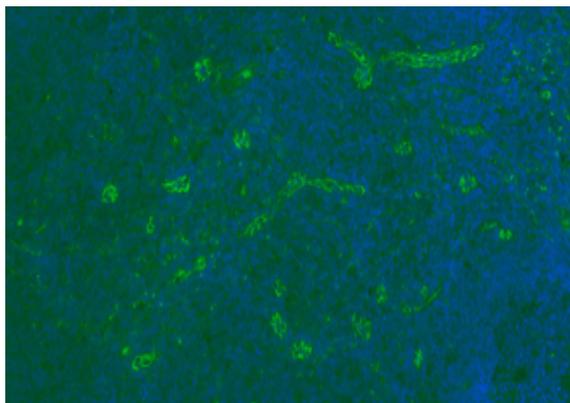
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Paraformaldehyde-fixed, paraffin embedded Human Tonsil, Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Antibody incubation with CD31 Monoclonal Antibody, Unconjugated (orb500839) at 1:200 overnight at 4°C. Followed by conjugated Goat Anti-Rabbit IgG antibody (green, DAPI (blue) was used to stain the cell nuclei.

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