

## Product Datasheet

### CD44 Mouse Monoclonal Antibody (orb500897)

<b>Catalog Number</b>	orb500897
<b>Category</b>	Antibodies
<b>Description</b>	CD44 Mouse Monoclonal Antibody
<b>Target</b>	CD44
<b>Clonality</b>	Monoclonal
<b>Species/Host</b>	Mouse
<b>Isotype</b>	IgG2a
<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 G
<b>Immunogen</b>	Recombinant human CD44
<b>UniProt ID</b>	<b>P16070</b>
<b>MW</b>	85 kDa
<b>Tested applications</b>	FC, ICC, IF, IHC-Fr, IHC-P, WB

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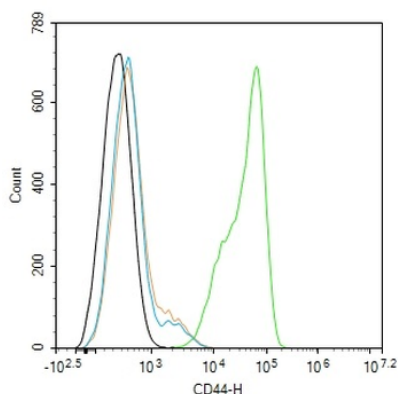
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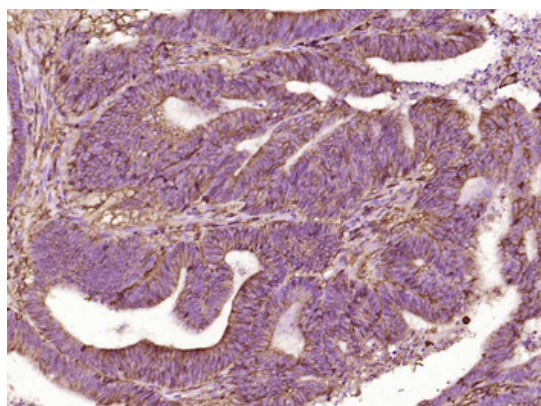
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<b>Dilution range</b>	WB=1:500-2000, IHC-P=1:100-500, IHC-F=1:100-500, ICC/IF=1:50-200, IF=1:100-500, Flow-Cyt=1ug/Test
<b>Antibody Type</b>	Primary Antibody
<b>Clone Number</b>	10B3
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. 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.



Blank control: Hela. Primary Antibody (green line): Mouse Anti-CD44 antibody (orb500897), dilution: 1 ug/Test, Secondary Antibody (white blue line): Goat anti-mouse IgG-AF488, dilution: 0.5 ug/Test. Isotype control (orange line): Normal Mouse IgG, Protocol, The cells were incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20000 events was performed.



Paraformaldehyde-fixed, paraffin embedded (human colon 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 (CD44) Polyclonal Antibody, Unconjugated (orb500897) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.

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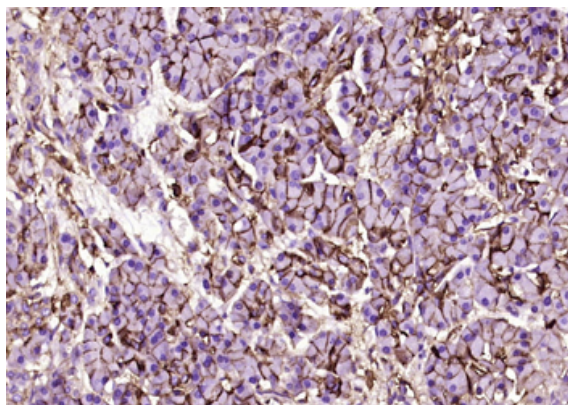
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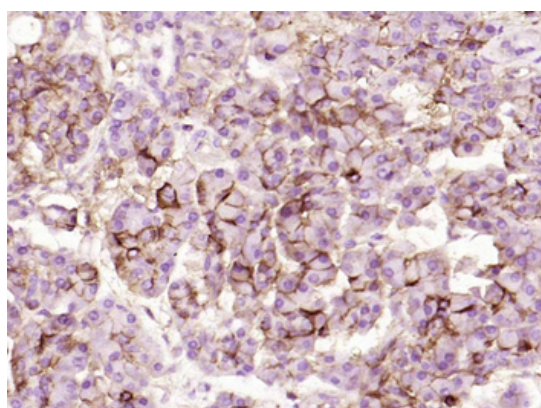
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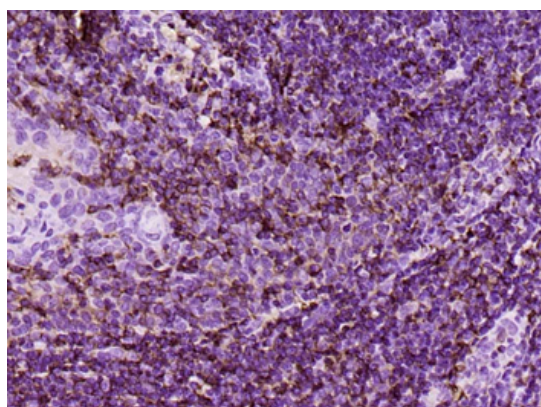
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Paraformaldehyde-fixed, paraffin embedded (Human pancreatic cancer), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (CD44) Monoclonal Antibody, Unconjugated (orb500897) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human pancreatic cancer), 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 (CD44) Polyclonal Antibody, Unconjugated (orb500897) at 1:200 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 (CD44) Polyclonal Antibody, Unconjugated (orb500897) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.

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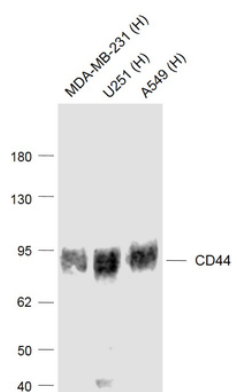
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Sample: Lane 1: MDA-MB-231 (Human) Cell Lysate at 30 ug, Lane 2: U251 (Human) Cell Lysate at 30 ug, Lane 3: A549 (Human) Cell Lysate at 30 ug, Primary: Anti-CD44 (orb500897) at 1/1000 dilution, Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution, Predicted band size: 82 kD, Observed band size: 85 kD.

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