

Product Datasheet

Rabbit CD44 Recombinant Monoclonal Antibody (orb1519905)

Catalog Number	orb1519905
Category	Antibodies
Description	CD44 Antibody
Target	CD44
Clonality	Recombinant
Species/Host	Rabbit
Isotype	IgG
Conjugation	Unconjugated
Reactivity	Human, Mouse
Form/Appearance	Liquid
Concentration	50 µg/ml
Buffer/Preservatives	Borate Buffered Saline (BBS) pH 8.2 with 0.1% rAlbumin and 0.09% Sodium Azide
Purification	Purified
Immunogen	Between 692 and C-terminus
UniProt ID	P16070
Tested applications	FC, ICC, IHC, IP, WB

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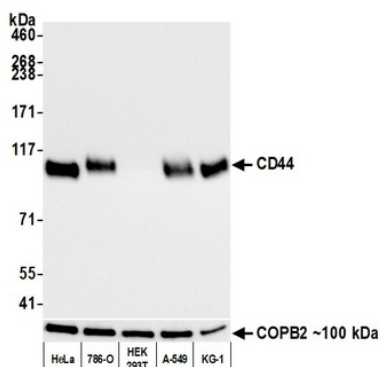
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Dilution range	WB - 1:1000; IP - 20 ul/1mg lysate; IHC - 1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections.; ICC - 1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE cell sections.
Application notes	Format: Whole IgG
Antibody Type	Primary Antibody
Clone Number	BLR038F
Storage	2 - 8°C
Note	For research use only
NCBI	NP_000601.3
Expiration Date	12 months from date of receipt.



Detection of human CD44 by western blot. Samples: Whole cell lysate (10 µg) from HeLa, 786-O, HEK293T, A-549, and KG-1 cells prepared using NETN lysis buffer. Antibody: Rabbit anti-CD44 recombinant monoclonal antibody (orb1519905) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG. Detection: Chemiluminescence with an exposure time of 3 seconds. Lower Panel: Rabbit anti-COPB2 antibody.

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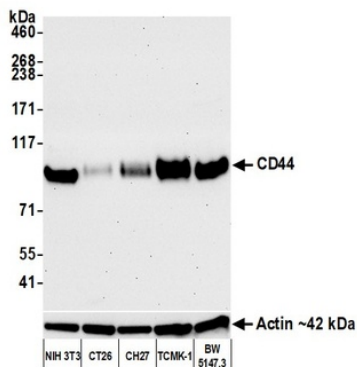
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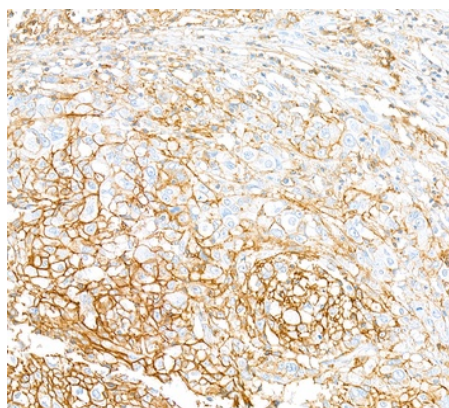
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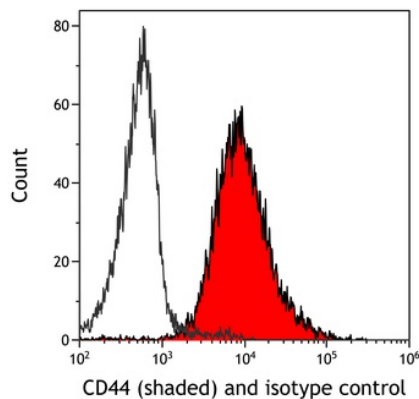
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Detection of mouse CD44 by western blot. Samples: Whole cell lysate (10 µg) from NIH 3T3, CT26, CH27, TCMK-1, and BW5147.3 cells prepared using NETN lysis buffer. Antibody: Rabbit anti-CD44 recombinant monoclonal antibody (orb1519905) used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG. Detection: Chemiluminescence with an exposure time of 30 seconds. Lower Panel: Rabbit anti-Actin recombinant monoclonal antibody.



Detection of human CD44 in FFPE breast carcinoma by IHC. Antibody: Rabbit anti-CD44 recombinant monoclonal antibody (orb1519905). Secondary: HRP-conjugated goat anti-rabbit IgG. Substrate: DAB.



Detection of mouse CD44 (shaded) in EL4 cells by flow cytometry. Antibody: Rabbit anti-CD44 recombinant monoclonal antibody (orb1519905) or isotype control (unshaded). Secondary: DyLight® 650-conjugated goat anti-rabbit IgG.

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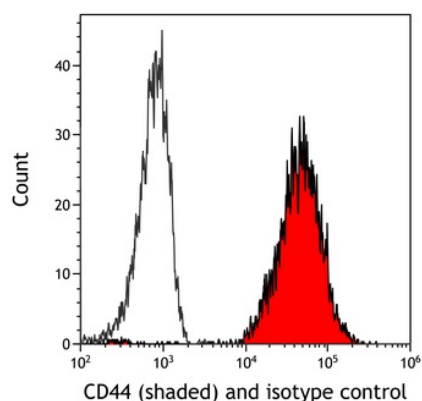
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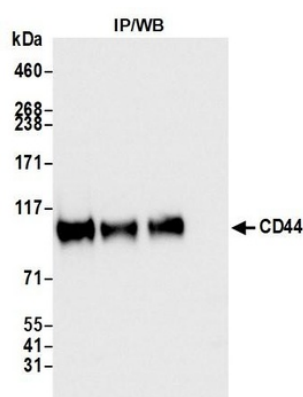
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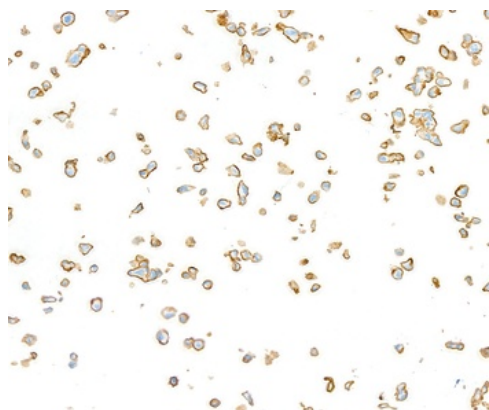
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Detection of human CD44 (shaded) in HeLa cells by flow cytometry. Antibody: Rabbit anti-CD44 recombinant monoclonal antibody (orb1519905) or isotype control (unshaded). Secondary: DyLight® 650-conjugated goat anti-rabbit IgG.



Detection of human CD44 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 5% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Rabbit anti-CD44 recombinant monoclonal antibody (orb1519905) used for IP at 20 µl/mg lysate.



Detection of human CD44 in FFPE 786-O cells by ICC. Antibody: Rabbit anti-CD44 recombinant monoclonal antibody (orb1519905). Secondary: HRP-conjugated goat anti-rabbit IgG. Substrate: DAB.

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