

## Product Datasheet

# Rabbit anti-CD44 Recombinant Monoclonal Antibody [BLR038F] (orb1519905)

<b>Description</b>	CD44 Antibody
<b>Species/Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse
<b>Conjugation</b>	Unconjugated
<b>Tested Applications</b>	FC, ICC, IHC, IP, WB
<b>Immunogen</b>	Between 692 and C-terminus
<b>Target</b>	CD44
<b>Preservatives</b>	Borate Buffered Saline (BBS) pH 8.2 with 0.1% rAlbumin and 0.09% Sodium Azide
<b>Form/Appearance</b>	Whole IgG
<b>Concentration</b>	50 µg/ml
<b>Storage</b>	2 - 8°C
<b>Note</b>	For research use only
<b>Application notes</b>	Format: Whole IgG
<b>Clonality</b>	Recombinant
<b>Uniprot ID</b>	<b>P16070</b>
<b>NCBI</b>	<b>NP_000601.3</b>

**Biorbyt Ltd.**

7 Signet Court, Swann's Road,  
Cambridge, CB5 8LA, United Kingdom  
Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: [+44 \(0\) 1223 859-353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

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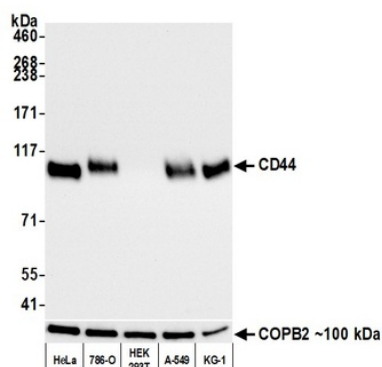
68 TW Alexander Drive,  
Durham, NC, 27713, United States  
Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
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**Dilution Range**

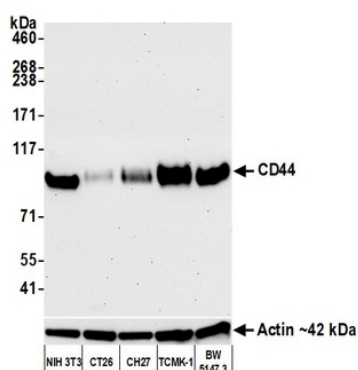
WB - 1:1000; IP - 20 ul/1mg lysate; IHC - 1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections.; ICC - 1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE cell sections.

**Expiration Date**

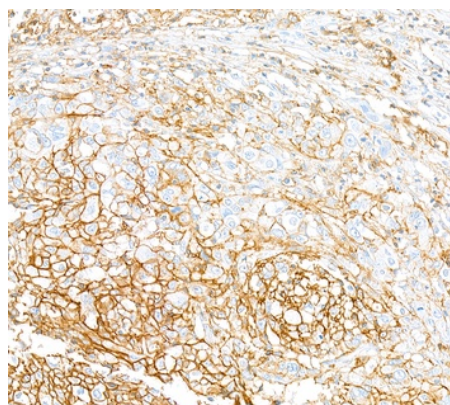
12 months from date of receipt.



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.



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.



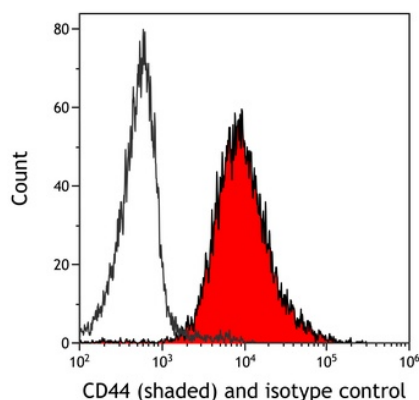
Detection of human CD44 in FFPE breast carcinoma by IHC. Antibody: Rabbit anti-CD44 recombinant monoclonal antibody (orb1519905). Secondary: HRP-conjugated goat anti-rabbit IgG. Substrate: DAB.

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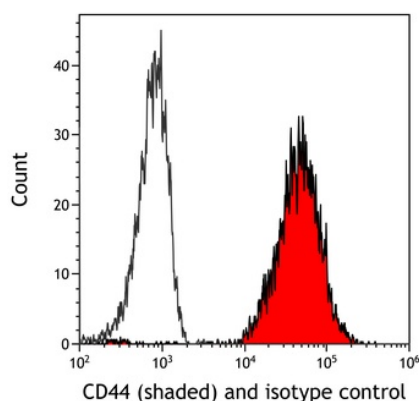
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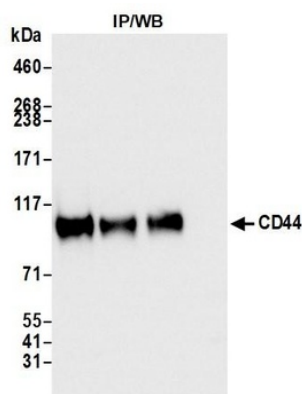
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Detection of mouse CD44 (shaded) in EL4 cells by flow cytometry. Antibody: Rabbit anti-CD44 recombinant monoclonal antibody (orb1519905) or isotype control (unshaded). Secondary: DyLight® 650-conjugated goat anti-rabbit IgG.



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.

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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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