

Product Datasheet

Recombinant CD44v4 Antibody (orb606417)

Catalog Number	orb606417
Category	Antibodies
Description	<p>This antibody recognizes an epitope encoded by exon v4 on the variant portion of human CD44. The CD44 molecule belongs to a family of cellular adhesion molecules found on a wide range of normal and malignant cells in epithelial, mesothelial and hemopoiesis tissues. It is a single gene with 20 exons, of which 10 are normally expressed to encode the basic CD44 (H-CAM) molecule. The additional 10 exons (v1 to v10) are only expressed by alternative splicing of the nuclear RNA. The expression of specific cell adhesion molecule CD44 splice variants has been reported to be associated with metastasis in certain human malignancies.</p>
Clonality	Recombinant
Species/Host	Mouse
Isotype	Mouse IgG2a, kappa
Conjugation	Unconjugated
Reactivity	Human
Buffer/Preservatives	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin and 0.05% sodium azide
Purification	Protein G affinity chromatography
Immunogen	An amino acid sequence from the variant 4 domain of CD44 was used as the immunogen for the recombinant CD44v4 antibody.
UniProt ID	P16070
Tested applications	IHC-P

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

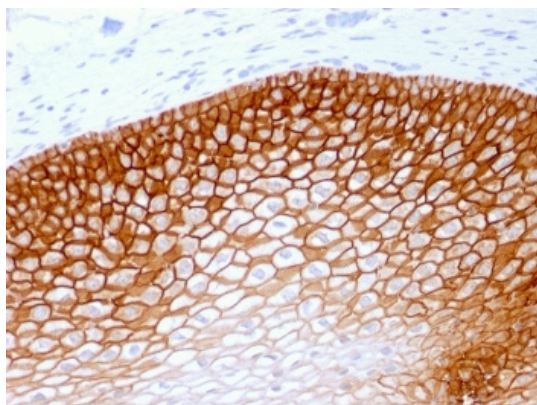
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

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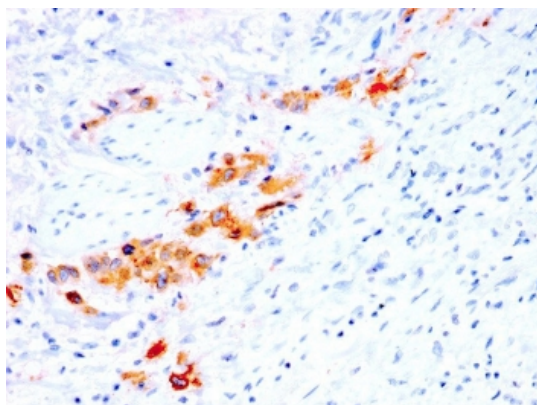
68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713
United States

Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Dilution range	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Application notes	Titering of the recombinant CD44v4 antibody may be required for optimal performance.1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.
Antibody Type	Primary Antibody
Clone Number	rCD44v4/1219
Storage	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.
Note	For research use only
Expiration Date	12 months from date of receipt.



IHC testing of FFPE human cervical squamos cell carcinoma with recombinant CD44v4 antibody (clone rCD44v4/1219). Required HIER: steam sections in pH9 10mM Tris with 1mM EDTA buffer for 10-20 min.



IHC testing of FFPE human bladder with recombinant CD44v4 antibody (clone rCD44v4/1219). Required HIER: steam sections in pH9 10mM Tris with 1mM EDTA buffer for 10-20 min.

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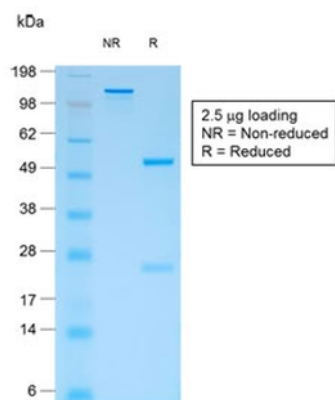
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SDS-PAGE analysis of purified, BSA-free recombinant CD44v4 antibody (clone rCD44v4/1219) as confirmation of integrity and purity.

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68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713
United States

Email: info@biorbyt.com, support@biorbyt.com

Phone: [+1 \(415\) 906-5211](tel:+1(415)9065211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)