

Product Datasheet

Recombinant Human CD44 antigen (CD44), partial, Biotinylated (Active) (orb1095899)

Catalog Number	orb1095899
Category	Proteins
Description	This Recombinant Human CD44 antigen (CD44), partial, Biotinylated (Active) spans the amino acid sequence from region 21-220aa. Purity: Greater than 92% as determined by SDS-PAGE.
Tag	C-terminal mFc-Avi-tagged
Form/Appearance	Lyophilized powder
Buffer/Preservatives	Lyophilized from a 0.2 µm sterile filtered PBS, 6% Trehalose, pH 7.4
Purity	Greater than 92% as determined by SDS-PAGE.
Protein Sequence	QIDLNITCRFAGVFHVEKNGRYSISRTEAADLCKAFNSTLPTMAQMEKALSIGFETCRYGFIE GHVVIPRIHPNSICAANNTGVYILTSNTSQYDTCFNASAPPEEDCTSVTDLPNAFDGPITITI VNRDGTTRYVQKGEYRTNPEDIYPSNPTDDDSSGSSSERSSTSGGYIFYTFSTVHPIPEDS PWITDSTDRIP
Protein Length	Partial
UniProt ID	P16070
MW	51 kDa
Application notes	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Biorbyt Ltd.

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

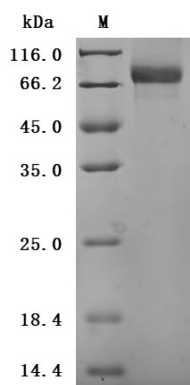
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713-2847
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)

Endotoxins	Less than 1.0 EU/ μ g as determined by LAL method.
Source	Mammalian cell
Biological Origin	Homo sapiens (Human)
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Anti-CD44 Mouse Monoclonal Antibody at 2 μ g/ml can bind Biotinylated human CD44, the EC50 is 2.865-5.099 ng/ml.
Expression Region	21-220aa
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Note	For research use only
Expiration Date	6 months from date of receipt.



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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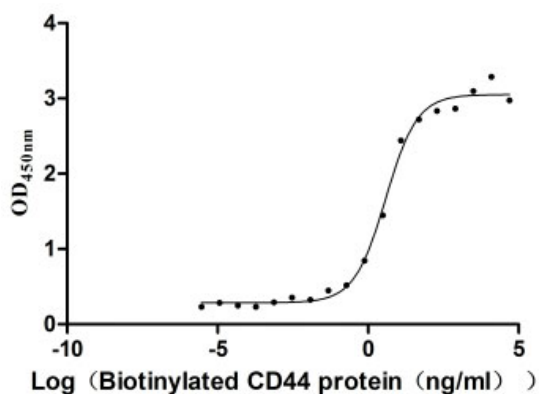
Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

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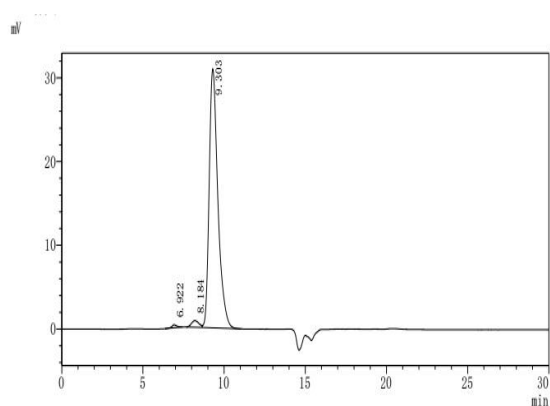
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Durham
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Phone: [+1 \(415\) 906-5211](tel:+1(415)9065211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)



Measured by its binding ability in a functional ELISA. Immobilized Anti-CD44 Mouse Monoclonal Antibody at 2 $\mu\text{g/ml}$ can bind Biotinylated human CD44, the EC₅₀ is 2.865-5.099 ng/ml.



The purity of CD44 was greater than 95% as determined by SEC-HPLC

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