

Product Datasheet

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

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|-----------------------------|---|
| 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 GHVVIPRIHPNSICAAANTGVYILTSNTSQQYDYCFNASAPPEEDCTSVTDLPNAFDGPITITI 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. |

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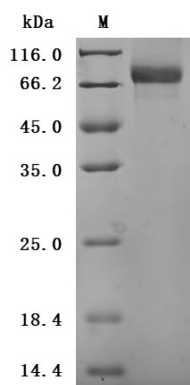
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| | |
|----------------------------|---|
| Endotoxins | Less than 1.0 EU/ μ g as determined by LAL method. |
| Source | Mammalian cell |
| Biological Origin | Homo sapiens (Human) |
| Biological Activity | Measured by its binding ability in a functional 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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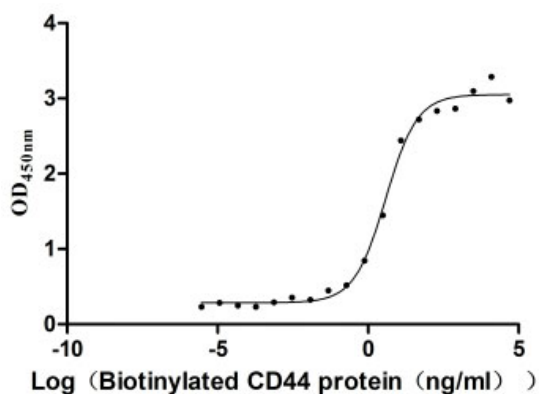
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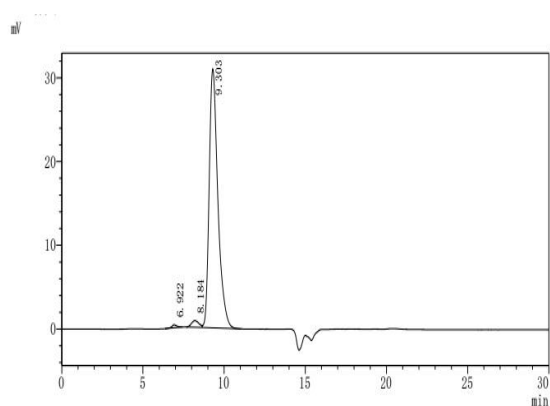
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Measured by its binding ability in a functional ELISA. Immobilized Anti-CD44 Mouse Monoclonal Antibody at 2 µg/ml can bind Biotinylated human CD44, the EC₅₀ is 2.865-5.099 ng/ml.



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

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