

Datasheet for ABIN7274112 CD24 Protein (AA 27-59) (Fc Tag,Biotin)

3 Images

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Overview

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|-------------------------------|---|
| Quantity: | 100 µg |
| Target: | CD24 |
| Protein Characteristics: | AA 27-59 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This CD24 protein is labelled with Fc Tag,Biotin. |

Product Details

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|------------------------------|--|
| Purpose: | Biotinylated Human CD24 Protein (Primary Amine Labeling) |
| Sequence: | Ser27-Gly59 |
| Characteristics: | Recombinant Biotinylated Human CD24 Protein (Primary Amine Labeling) is expressed from HEK293 with hFc tag at the C-Terminus.It contains Ser27-Gly59. |
| Purity: | > 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC |
| Sterility: | 0.22 µm filtered |
| Endotoxin Level: | Less than 1EU per µg by the LAL method. |
| Biological Activity Comment: | Immobilized Anti-CD24 Antibody, hFc Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Human CD24, hFc Tag with the EC50 of 0.9µg/ml determined by ELISA. See testing image for detail. |

Target Details

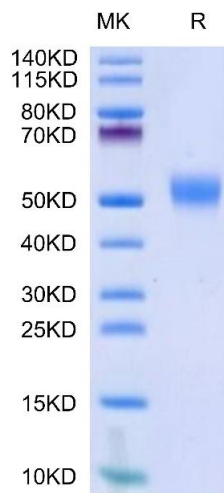
| | |
|-------------------|---|
| Target: | CD24 |
| Alternative Name: | CD24 (CD24 Products) |
| Background: | CD24 is a sialoglycoprotein expressed at the surface of most B lymphocytes and differentiating neuroblasts. It is also expressed on neutrophils and neutrophil precursors from the myelocyte stage onwards. The potential for targeting CD24 in cancer therapy seems promising, as CD24 is overexpressed in many human cancers. |
| Molecular Weight: | 29.9 kDa. Due to glycosylation, the protein migrates to 50-55 kDa based on Tris-Bis PAGE result. |
| Pathways: | Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Activated T Cell Proliferation |

Application Details

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| Restrictions: | For Research Use only |
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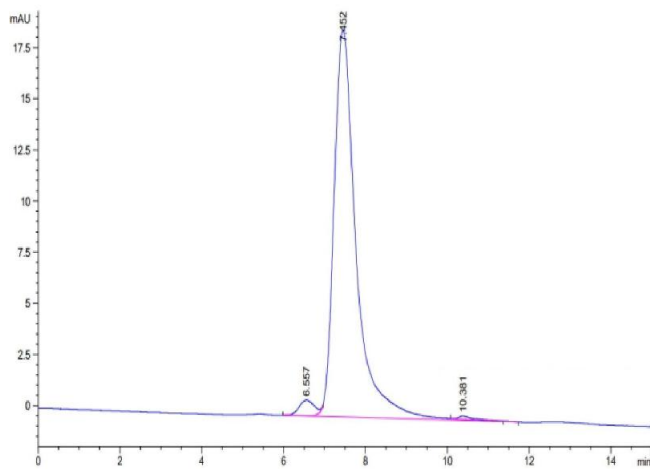
Handling

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| Format: | Lyophilized |
| Reconstitution: | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water. |
| Buffer: | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization. |
| Storage: | -20 °C,-80 °C |
| Storage Comment: | -20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |
| Expiry Date: | 12 months |



SDS-PAGE

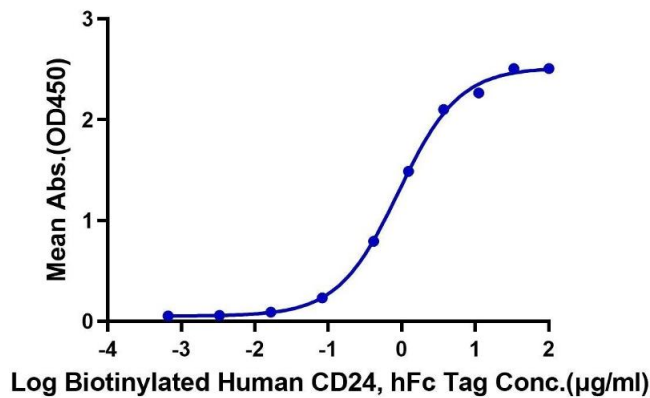
Image 1. Biotinylated Human CD24 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Biotinylated Human CD24 is greater than 95 % as determined by SEC-HPLC.

Biotinylated Human CD24, hFc Tag ELISA
0.1µg Anti-CD24 Antibody, hFc Tag Per Well



ELISA

Image 3. Immobilized Anti-CD24 Antibody, hFc Tag at 1 µg/mL (100 µL/Well) on the plate. Dose response curve for Biotinylated Human CD24, hFc Tag with the EC50 of 0.9 µg/mL determined by ELISA.