

# Active Recombinant Human CD33 protein, Avi-His-tagged, Biotinylated

**Cat. No.** CD33-268H    **Lot. No.** (See product label)

## SPECIFICATION

|                          |                                                                                                                                                                                                                            |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>  | Biotinylated Active Recombinant Human CD33 protein(P20138-1)(Asp18-His259) is expressed from HEK293 with His tag and Avi tag at the C-Terminus.                                                                            |
| <b>Species</b>           | Human                                                                                                                                                                                                                      |
| <b>Source</b>            | HEK293                                                                                                                                                                                                                     |
| <b>ProteinLength</b>     | 18-259 aa                                                                                                                                                                                                                  |
| <b>Conjugation/Label</b> | Biotin                                                                                                                                                                                                                     |
| <b>Form</b>              | Supplied as 0.22µm filtered solution in 50mM MES, 500mM NaCl, 200mM L-arginine (pH 7.4).                                                                                                                                   |
| <b>Bio-activity</b>      | Immobilized Biotinylated Human Siglec-3, His Tag at 0.5µg/ml (100µl/Well) on streptavidin (5µg/ml) precoated plate. Dose response curve for Anti-Siglec-3 Antibody, hFc Tag with the EC50 of 4.4ng/ml determined by ELISA. |
| <b>Molecular Mass</b>    | The protein has a predicted MW of 29.6 kDa. Due to glycosylation, the protein migrates to 48-58 kDa based on Bis-Tris PAGE result.                                                                                         |
| <b>Endotoxin</b>         | Less than 1 EU per µg by the LAL method.                                                                                                                                                                                   |
| <b>Purity</b>            | > 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC                                                                                                                                                           |

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|                      |                                                                                                                                                                                  |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>       | Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |
| <b>Concentration</b> | 0.1-1.0 mg/mL. Centrifuge the vial at 4°C before opening to recover the entire contents.                                                                                         |

## GENE INFORMATION

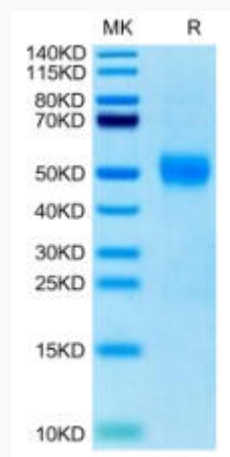
|                        |                                                                                                                                                                                                                                                  |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | CD33 CD33 molecule [ Homo sapiens ]                                                                                                                                                                                                              |
| <b>Official Symbol</b> | CD33                                                                                                                                                                                                                                             |
| <b>Synonyms</b>        | CD33; CD33 molecule; CD33 antigen (gp67); myeloid cell surface antigen CD33; FLJ00391; p67; sialic acid binding Ig like lectin 3; SIGLEC 3; SIGLEC3; gp67; sialic acid binding Ig-like lectin 3; sialic acid-binding Ig-like lectin 3; SIGLEC-3; |
| <b>Gene ID</b>         | 945                                                                                                                                                                                                                                              |
| <b>mRNA Refseq</b>     | NM_001082618                                                                                                                                                                                                                                     |
| <b>Protein Refseq</b>  | NP_001076087                                                                                                                                                                                                                                     |
| <b>MIM</b>             | 159590                                                                                                                                                                                                                                           |
| <b>UniProt ID</b>      | P20138                                                                                                                                                                                                                                           |

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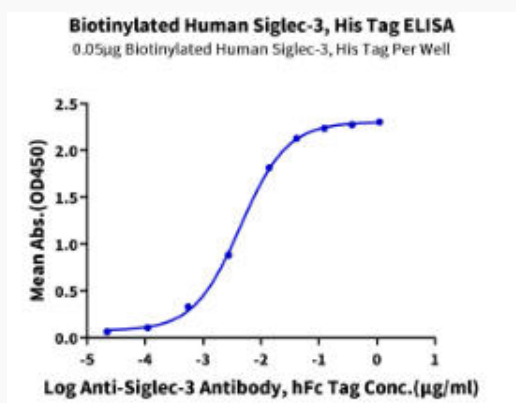
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## Bis-Tris PAGE



## ELISA Data



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