

# Recombinant Human CD33 Protein, His-tagged, Alexa Fluor 488 conjugated

**Cat. No.** CD33-234HAF488    **Lot. No.** (See product label)

## SPECIFICATION

|                                     |   |
|-------------------------------------|---|
| <b>Product Overview</b>             | Alexa Fluor 488 conjugated recombinant human CD33 (AAH28152.1) (Met1-His259), fused with a C-terminal polyhistidine tag, was produced in Human Cells.   |
| <b>Species</b>                      | Human   |
| <b>Source</b>                       | HEK293  |
| <b>ProteinLength</b>                | 253   |
| <b>Form</b>                         | Lyophilized   |
| <b>Molecular Mass</b>               | The recombinant human CD33 comprises 253 amino acids and has a predicted molecular mass of 28.2 kDa. The apparent molecular mass of the protein is approximately 40-46 kDa in SDS-PAGE under reducing conditions. |
| <b>N-terminal Sequence Analysis</b> | Asp 18  |
| <b>Endotoxin</b>                    | < 1.0 EU/ µg of the protein as determined by the LAL method.  |
| <b>Purity</b>                       | > 90 % as determined by SDS-PAGE  |
| <b>Characteristic</b>               | Disulfide-linked homodimer<br>Labeled with Alexa Fluor 488 via amines   |

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|                       |   |
|-----------------------|---|
|                       | Excitation Wavelength: 488 nm<br>Emission Wavelength: 515-545 nm  |
| <b>Stability</b>      | Samples are stable for up to 12 months from date of receipt at -70 centigrade.  |
| <b>Storage</b>        | Store it under sterile conditions at -20 to -70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.       |
| <b>Storage Buffer</b> | Lyophilized from sterile PBS, pH 7.4, 10% glycerol. Normally 5%-8% trehalose and mannitol are added as protectants before lyophilization.                                 |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4 centigrade before opening to recover the entire contents. |
| <b>Conjugation</b>    | Alexa Fluor 488   |

## GENE INFORMATION

|                        |                                     |
|------------------------|-------------------------------------|
| <b>Gene Name</b>       | CD33 CD33 molecule [ Homo sapiens ] |
| <b>Official Symbol</b> | CD33                                |
| <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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