

# Active Recombinant Human CD33 Protein, Fc-tagged, Alexa Fluor 555 conjugated

**Cat. No.** CD33-176HAF555    **Lot. No.** (See product label)

## SPECIFICATION

|                                     |                                                                                                                                                                                                                                        |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>             | Alexa Fluor 555 conjugated recombinant human CD33 (Accession # AAA51948) was produced in Mouse myeloma cell line, NS0-derived.                                                                                                         |
| <b>Species</b>                      | Human                                                                                                                                                                                                                                  |
| <b>Source</b>                       | Mammalian Cells                                                                                                                                                                                                                        |
| <b>Form</b>                         | Lyophilized                                                                                                                                                                                                                            |
| <b>Bio-activity</b>                 | Measured by the ability of the immobilized protein to support the adhesion of human red blood cells. The ED50 for this effect is typically 1-4 µg/mL.                                                                                  |
| <b>Molecular Mass</b>               | Recombinant Human CD33, Fc Chimera has a calculated MW of 53.4 kDa (monomer). In SDS-PAGE migrates as 67-85 kDa, reducing conditions.                                                                                                  |
| <b>N-terminal Sequence Analysis</b> | Asp 18                                                                                                                                                                                                                                 |
| <b>Purity</b>                       | > 90 % by SDS-PAGE and analyzed by silver stain                                                                                                                                                                                        |
| <b>Characteristic</b>               | Disulfide-linked homodimer<br>Labeled with Alexa Fluor 555 via amines<br>With an excitation and emission maximum of 555/565 nm, Alexa Fluor 555 can be efficiently excited using a 543 nm He-Ne laser line and detected under standard |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

TRITC/Cy3 filters.

**Storage**

Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4 centigrade); After reconstitution under sterile conditions for 3 months (-70 centigrade).

**Storage Buffer**

Lyophilized from a 0.2 µm filtered solution in PBS.

**Conjugation**

Alexa Fluor 555

## GENE INFORMATION

**Gene Name**

CD33 CD33 molecule [ Homo sapiens ]

**Official Symbol**

CD33

**Synonyms**

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;

**Gene ID**

945

**mRNA Refseq**

NM\_001082618

**Protein Refseq**

NP\_001076087

**MIM**

159590

**UniProt ID**

P20138

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