

## Active Recombinant Human CD33 protein, His-tagged, FITC-Labeled

**Cat. No.** CD33-0711H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                          |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | FITC-Labeled Recombinant Human CD33 protein(Asp18-His259), fused with His tag, was expressed in HEK293.                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                    |
| <b>Source</b>           | HEK293                                                                                                                                                                                                   |
| <b>ProteinLength</b>    | 18-259 a.a.                                                                                                                                                                                              |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.                                                                               |
| <b>Bio-activity</b>     | Immobilized Human Siglec-3 Antibody at 1 µg/mL (100 µL/well) can bind FITC-Labeled Human Siglec-3, His Tag with a linear range of 0.02-0.625 µg/mL.                                                      |
| <b>Molecular Mass</b>   | This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 27.6 kDa. The protein migrates as 40-55 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation. |
| <b>Proteinlength</b>    | Asp18-His259                                                                                                                                                                                             |
| <b>Endotoxin</b>        | Less than 1.0 EU per µg by the LAL method.                                                                                                                                                               |
| <b>Purity</b>           | >90% as determined by SDS-PAGE.                                                                                                                                                                          |

 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

|                         |                                                                                                                                                                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                   |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.                                                                    |
| <b>Conjugation</b>      | FITC                                                                                                                                                                                                                                             |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                  |
| <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                                                                                                                                                                                                                                           |

 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