

# Recombinant Cynomolgus CD33 Protein, His-tagged, Alexa Fluor 647 conjugated

**Cat. No.** CD33-181CAF647    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                       |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | A DNA sequence encoding the cynomolgus CD33 (XP_005590138.1) (Met1-Gly248) (Alexa Fluor 647 conjugated) was expressed with a polyhistidine tag at the C-terminus. Cynomolgus and Rhesus CD33 sequences are identical. |
| <b>Species</b>          | Monkey                                                                                                                                                                                                                |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | Met1-Gly248 244                                                                                                                                                                                                       |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                           |
| <b>Molecular Mass</b>   | The recombinant cynomolgus CD33 comprises 244 amino acids and has a calculated molecular mass of 27.3 kDa. The apparent molecular mass of it is approximately 45.2 kDa in SDS-PAGE under reducing condition.          |
| <b>Endotoxin</b>        | < 1.0 EU/ µg of the protein as determined by the LAL method.                                                                                                                                                          |
| <b>Purity</b>           | > 95 % as determined by SDS-PAGE                                                                                                                                                                                      |
| <b>Characteristic</b>   | Disulfide-linked homodimer<br>Labeled with Alexa Fluor 647 via amines<br>Excitation = 650 nm<br>Emission = 668 nm                                                                                                     |

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|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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 -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, pH7.4.                                                                                                                         |
| <b>Conjugation</b>    | Alexa Fluor 647                                                                                                                                              |

## GENE INFORMATION

|                        |                                                               |
|------------------------|---------------------------------------------------------------|
| <b>Gene Name</b>       | CD33 centigrade D33 molecule [Macaca mulatta(Rhesus monkey) ] |
| <b>Official Symbol</b> | CD33                                                          |
| <b>Synonyms</b>        | CD33; CD33 molecule; myeloid cell surface antigen CD33        |
| <b>Gene ID</b>         | 719855                                                        |
| <b>mRNA Refseq</b>     | XM_001114616                                                  |
| <b>Protein Refseq</b>  | XP_001114616                                                  |

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