

## Active Recombinant Human CD22 Protein, Fc-tagged, Alexa Fluor 488 conjugated

**Cat. No.** CD22-482HAF488    **Lot. No.** (See product label)

### SPECIFICATION

|                                     |                                                                                                                                                               |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>             | Alexa Fluor 488 conjugated recombinant human CD22 (Accession # CAA42006) 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 0.03 - 0.15 µg/mL. |
| <b>Molecular Mass</b>               | Recombinant Human CD22, Fc Chimera has a calculated MW of 101.9 kDa (monomer). In SDS-PAGE migrates as 122-127 kDa, reducing conditions.                      |
| <b>N-terminal Sequence Analysis</b> | Asp 20                                                                                                                                                        |
| <b>Purity</b>                       | > 95 % by SDS-PAGE under reducing conditions and visualized by silver stain.                                                                                  |
| <b>Characteristic</b>               | Disulfide-linked homodimer<br>Labeled with Alexa Fluor 488 via amines<br>Excitation Wavelength: 488 nm<br>Emission Wavelength: 515-545 nm                     |

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|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>          | 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).                                                                                          |
| <b>Storage Buffer</b>   | Lyophilized from a 0.2 µm filtered solution in PBS.                                                                                                                                                                                                                                                      |
| <b>Conjugation</b>      | Alexa Fluor 488                                                                                                                                                                                                                                                                                          |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                          |
| <b>Gene Name</b>        | CD22 CD22 molecule [ Homo sapiens ]                                                                                                                                                                                                                                                                      |
| <b>Official Symbol</b>  | CD22                                                                                                                                                                                                                                                                                                     |
| <b>Synonyms</b>         | CD22; CD22 molecule; CD22 antigen; B-cell receptor CD22; sialic acid binding Ig like lectin 2; SIGLEC 2; SIGLEC2; BL-CAM; T-cell surface antigen Leu-14; B-lymphocyte cell adhesion molecule; sialic acid binding Ig-like lectin 2; sialic acid-binding Ig-like lectin 2; SIGLEC-2; FLJ22814; MGC130020; |
| <b>Gene ID</b>          | 933                                                                                                                                                                                                                                                                                                      |
| <b>mRNA Refseq</b>      | NM_001185099                                                                                                                                                                                                                                                                                             |
| <b>Protein Refseq</b>   | NP_001172028                                                                                                                                                                                                                                                                                             |
| <b>MIM</b>              | 107266                                                                                                                                                                                                                                                                                                   |
| <b>UniProt ID</b>       | P20273                                                                                                                                                                                                                                                                                                   |