

**PRODUCT INFORMATION**

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|---|---|
| <b>Target</b>                           | CD19  |
| <b>Synonyms</b>                         | B4;CVID3;MGC12802   |
| <b>Description</b>                      | Recombinant human CD19 protein with C-terminal mouse Fc tag   |
| <b>Delivery</b>                         | In Stock  |
| <b>Uniprot ID</b>                       | P15391  |
| <b>Expression Host</b>                  | HEK293  |
| <b>Tag</b>                              | C-Mouse Fc Tag  |
| <b>Molecular Characterization</b>       | CD19(Pro20-Lys291) mFc(Pro99-Lys330)  |
| <b>Molecular Weight</b>                 | The protein has a predicted molecular mass of 56.3 kDa after removal of the signal peptide. The apparent molecular mass of CD19-mFc is approximately 70-100 kDa due to glycosylation.   |
| <b>Purity</b>                           | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.  |
| <b>Formulation &amp; Reconstitution</b> | Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.   |
| <b>Storage &amp; Shipping</b>           | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.   |
| <b>Background</b>                       | Lymphocytes proliferate and differentiate in response to various concentrations of different antigens. The ability of the B cell to respond in a specific, yet sensitive manner to the various antigens is achieved with the use of low-affinity antigen receptors. This gene encodes a cell surface molecule which assembles with the antigen receptor of B lymphocytes in order to decrease the threshold for antigen receptor-dependent stimulation. |
| <b>Usage</b>                            | Research use only   |
| <b>Conjugate</b>                        | Unconjugated  |



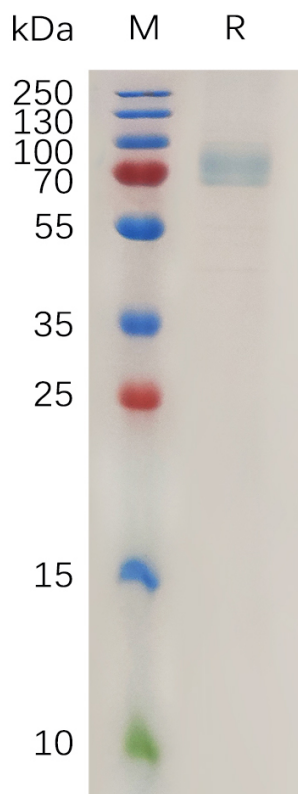


Figure 1. Human CD19 Protein, mFc Tag on SDS-PAGE under reducing condition.

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